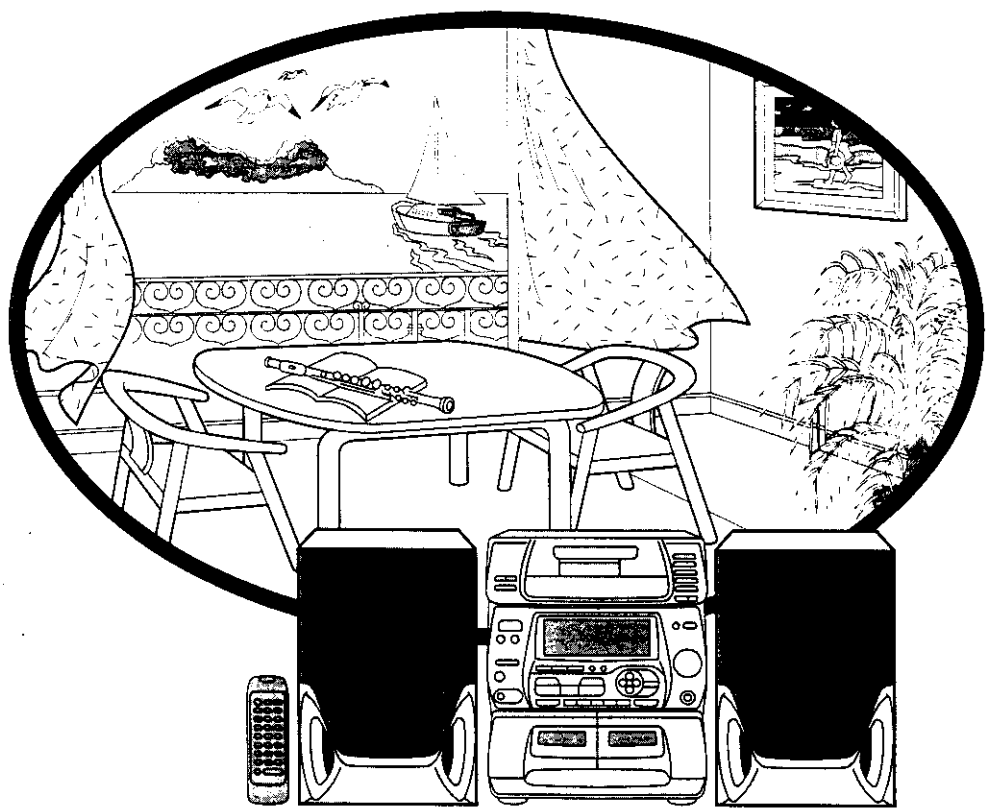
# Panasonic®

## CD Stereo System

# SC-CH75
# SC-CH74

## Operating Instructions



The illustration shows SC-CH74.

**Note:**
The "EB" indication shown on the outside packing case indicates United Kingdom.

Before connecting, operating or adjusting this product, please read these instructions completely. Please save this manual.

COMPACT disc DIGITAL AUDIO

EB GN

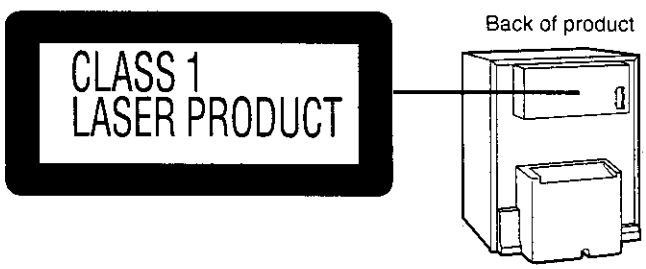
RQT3309-1B

# Dear customer

Thank you for purchasing this system.
For optimum performance and safety, please read these instructions carefully.

These operating instructions are applicable to the following systems.

| System | SC-CH75 | SC-CH74 |
|---|---|---|
| Main unit | SA-CH75 | SA-CH74 |
| Speaker system | SB-CH75 | (For United Kingdom) SB-CH74 |
| | | (For others) SB-CH430 |




**CAUTION!**
**THIS PRODUCT UTILIZES A LASER.**
**USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.**
**DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.**

**CAUTION!**
**DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT IN CABINET OR IN ANOTHER CONFINED SPACE IN ORDER TO KEEP WELL VENTILATED CONDITION. ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION HOLES TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING.**

| | | |
|---|---|---|
| DANGER | INVISIBLE LASER RADIATION WHEN OPEN AVOID DIRECT EXPOSURE TO BEAM | (Inside of product) |
| ADVARSEL | USYNLIG LASERSTRALING VED ABNING, NAR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGA UDSAETTELSE FOR STRALING. | (Indersiden at apparatet) |
| VARO! | AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NAKYMATONTA LASERSATEILYLLE. ALA KATSO SATEESEEN. | (Tuotteen sisällä) |
| VARNING | OSYNLIG LASERSTRALNING NAR DENNA DEL AR OPPNAD OCH SPARREN AR URKOPPLAD. BETRAKTA EJ STRALEN. | (Apparatens insida) |
| ADVARSEL | USYNLIG LASERSTRÅLING NAR DEKSEL APNES OG SIKKERHEDSLAS BRYTES. UNNGA EKSPONERING FOR STRALEN. | (Produktets innside) |
| VORSICHT | UNSICHTBARE LASERSTRAHLUNG WENN ABDECKUNG GEOFFNET NICHT DEM STRAHL AUSSETZEN | (Im Inneren des Gerätes) |

**THIS MUSIC SYSTEM IS CAPABLE OF RECEIVING THE NEW AM STEREO BROADCASTS FROM THE AM BAND RADIO STATIONS. HOWEVER LIKE MANY MUSIC SYSTEM CURRENTLY AVAILABLE ON THE MARKET IT WILL REPRODUCE THIS AM STEREO SIGNAL ONLY IN AM MONO, WHICH, IN EFFECT, IS OF NO LESSER QUALITY THAN YOUR EXISTING AM MONO MUSIC SYSTEM.**

# Suggestions for safety

## Placement

Avoid placing the unit in areas of:
- direct sunlight
- high temperature
- high humidity
- excessive vibration
- uneven surfaces (Place the unit on a flat level surface.)

Such conditions might damage the cabinet and/or other component parts and thereby shorten the unit's service life.
To protect the unit against sound distortion and acoustical effects, please place the unit at least 15 cm away from wall surfaces etc.

## Ventilation

Place the unit in a well-ventilated position at least 10 cm away from wall surfaces etc.
Ensure that curtains and similar materials do not obstruct the ventilation holes.

## Stacking

Never place heavy items on top of the unit or the power cord.

## Voltage

- It is very dangerous to use an AC power source of high voltage such as for an air conditioner.
  A fire might be caused by such a connection.
- A DC power source can not be used.
  Be sure to check the power source carefully, especially if on a ship or other place where DC is used.

## Power cord protection

- Avoid cuts, scratches or poor connection of the AC main cord, as this may result in fire or electric shock.
  Excessive bending, pulling or slicing of the cord should also be avoided.
- Do not pull on the cord when you are disconnecting the power, as this could cause an electric shock. Grasp the plug firmly when you disconnect the power supply.
- Never touch the plug with wet hands or a serious electric shock could result.

## Foreign materials

- Ensure that no foreign objects, such as needles, coins, screwdrivers etc., accidentally fall into the unit or through the ventilation holes.
  Otherwise, a serious electric shock or malfunction could occur.
- Be extremely careful about spilling water or liquid on/into the unit, as a fire or electric shock could occur.
  (Disconnect the power plug and contact your dealer immediately if this occurs.)
- Avoid spraying insecticides onto the unit as they contain flammable gases which can be ignited.
- Insecticides, alcohol, paint thinner and similar chemicals should never be used to clean the unit as they can cause flaking or cloudiness to the cabinet finish.

## Service

- Never attempt to repair, disassemble or reconstruct the unit if there seems to be a problem.
  A serious electric shock could result if you ignore this precautionary measure.
- If a problem occurs during operation (the sound is interrupted, indicators fail to light up, smoke is detected, etc.) contact your dealer or Authorized Service Center immediately.
- Disconnect the power supply if the unit will not be used for a long time. Otherwise the operation life could be shortened.

# Table of contents


## *Before use*

**Supplied accessories** ..... 3
**Caution for AC mains lead** ..... 4

## *Preparations*

**Concerning the remote control** ..... 5
**Installation** ..... 5
**Connections** ..... 6
**Front panel controls** ..... 8
**Setting the time** ..... 9
**Memory presetting** ..... 10

## *Operations*

**Listening to radio broadcasts** ..... 11
**Listening to compact discs** ..... 12
**Listening to tapes** ..... 16
**Changing sound quality and field** ..... 18
**Convenient functions** ..... 19

## *Recording operations*

**Before recording** ..... 19
**Recording from radio broadcasts** ..... 20
**Recording from compact discs** ..... 21
**Tape to tape recording** ..... 25

## *Timer operations*

**Using the play timer** ..... 26
**Using the record timer** ..... 28
**Using the sleep timer** ..... 30
**To use two timers together** ..... 30

## *External unit operations*

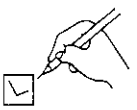
**Singing along with karaoke** ..... 31
**Using an external unit** ..... 32
**Other functions** ..... 32

## *Reference*

**Quick reference of remote control operations** ..... 33
**Concerning compact discs** ..... 36
**Concerning cassette tapes** ..... 36
**Maintenance** ..... 37
**Troubleshooting guide** ..... 38
**Technical specifications** ..... **Back cover**

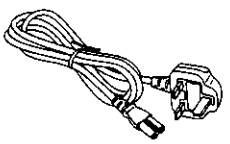
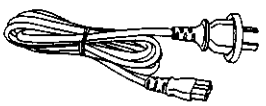

These operating instructions fundamentally explain the operation of system SC-CH74.

# Supplied accessories

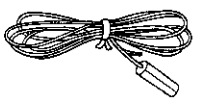


Please check and identify the supplied accessories.

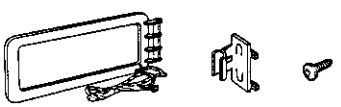
☐ AC mains lead ..... 1 pc.
(For United Kingdom: VJA0733) (For Australia and New Zealand: RJA0036-K)

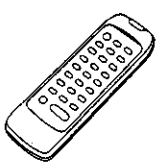
☐ FM indoor antenna ..... 1 pc.
(For United Kingdom: SSA270M) (For Australia and New Zealand: SSA272)



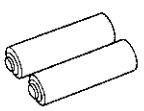
☐ AM loop antenna (SLA9Z5T) ..... 1 pc.
☐ Antenna holder (RMN0244) ..... 1 pc.
☐ Screw (XTN3+12AFZ) ..... 1 pc.



☐ Remote control transmitter ..... 1 pc.
(EUR643804)



☐ Remote control batteries ..... 2 pcs.
(UM-4, "AAA", R03)



☐ Attachment plug ..... 1 pc.
(Supplied for United Kingdom only: SJP9009)

# *Caution for AC mains lead*

## (For United Kingdom)

**("EB" area code model only)**

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ⓐ or the BSI mark ⓚ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

**CAUTION!**
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

### IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

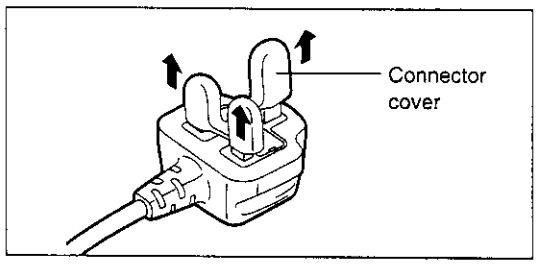
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

Under no circumstances should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol ⏚.

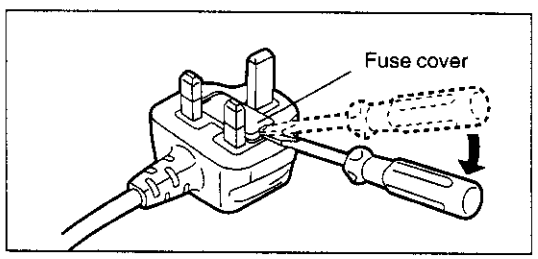
### Before use

Remove the connector cover as follows.

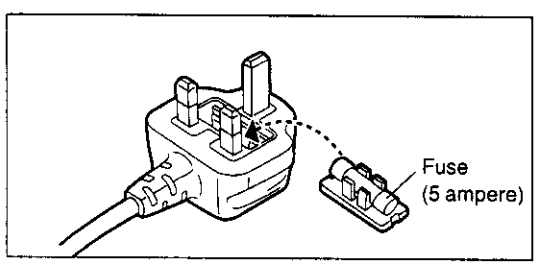



### How to replace the fuse

1. Remove the fuse cover with a screwdriver.




2. Replace the fuse and attach the fuse cover.

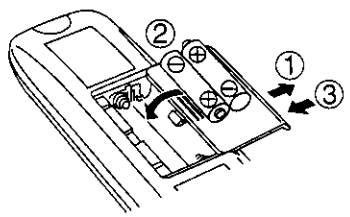


# Concerning the remote control

## Battery installation

Insert the batteries with this unit as shown below.
Use two UM-4 "AAA", IEC R03 (1.5 V) or equivalent batteries.

Insert the batteries in the correct polarities (⊕, ⊖).




### Use of batteries

- Do not mix old and new batteries, or batteries of different types (manganese and alkaline, etc.).
- Never subject batteries to excessive heat or flame; do not attempt to disassemble them; and be sure they are not short-circuited.
- If the remote control is not to be used for a long period of time, remove the batteries and store them in a cool, dark place.
- Do not attempt to recharge alkaline or manganese batteries.

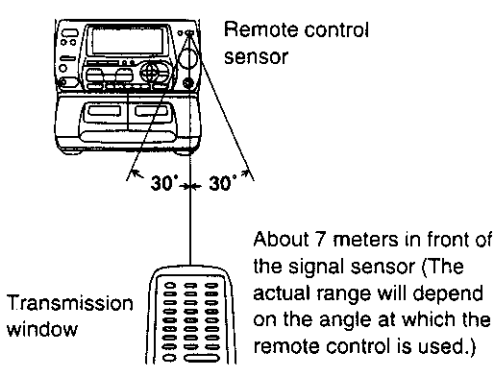
### Battery life

The battery life is about one year.

The batteries should be replaced if commands from the remote control transmitter do not operate the unit even when the transmitter is held close to the front panel.

**When you need to replace these batteries**
Use two UM-4, "AAA", IEC R03 (1.5 V) or equivalent batteries.

## Correct method of use


Remote control sensor
30°
30°
Transmission window
About 7 meters in front of the signal sensor (The actual range will depend on the angle at which the remote control is used.)

## Operations notes

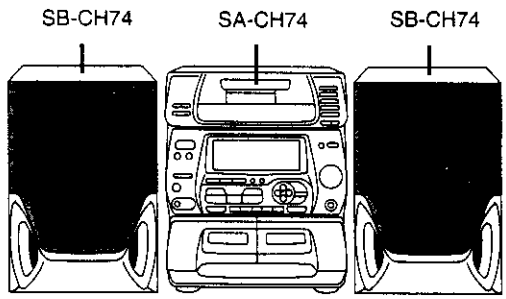
- Aim the remote control's transmission window toward the unit's sensor. Avoid any obstacles.
- Be sure the transmission window and the unit's sensor are free from dust. Excessive dust might affect its performance.
- The operation may not be correct if direct sunlight or other strong light source strikes the receiving sensor of this unit. If there is a problem, place the unit away from the light source.
- If this system is installed in a rack with glass doors, the glass doors' thickness or color might make it necessary to use the remote control a shorter distance from the system.
- Never place heavy items.
- Do not disassemble or reconstruct.
- Do not spill water or other liquids.

# Installation

## Placement of speakers

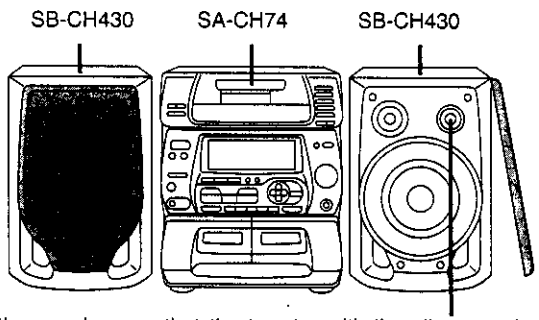
To produce a better stereo sound, install both speakers away from the system.

**SC-CH74** (For United Kingdom)



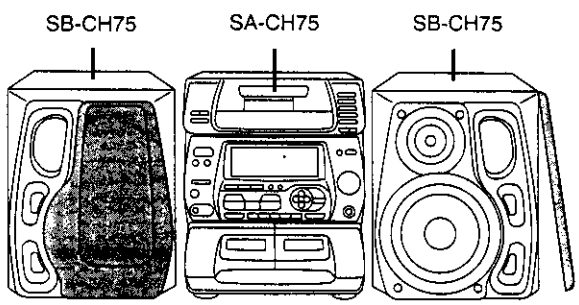

Speakers are symmetrically the same on the inside, so you don't have to orient them in a certain one or another.

**SC-CH74** (For Australia and New Zealand)




Set the speakers so that the tweeter with the silver cap is on the outside.

**SC-CH75** (For Australia and New Zealand)

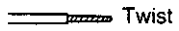



**For your reference**
For your listening pleasure, keep your speakers from touching the stereo.

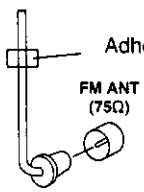
# Connections

## *Basic connections (for supplied accessories)*

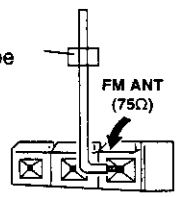
### 1 FM indoor antenna




For United Kingdom



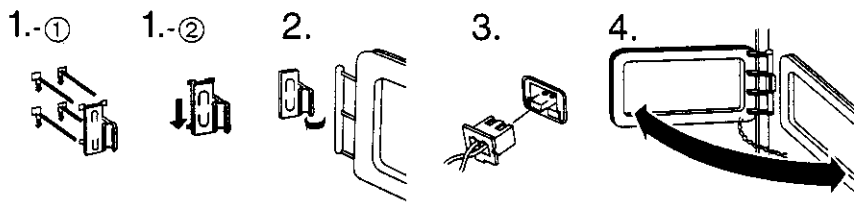

For Australia and New Zealand

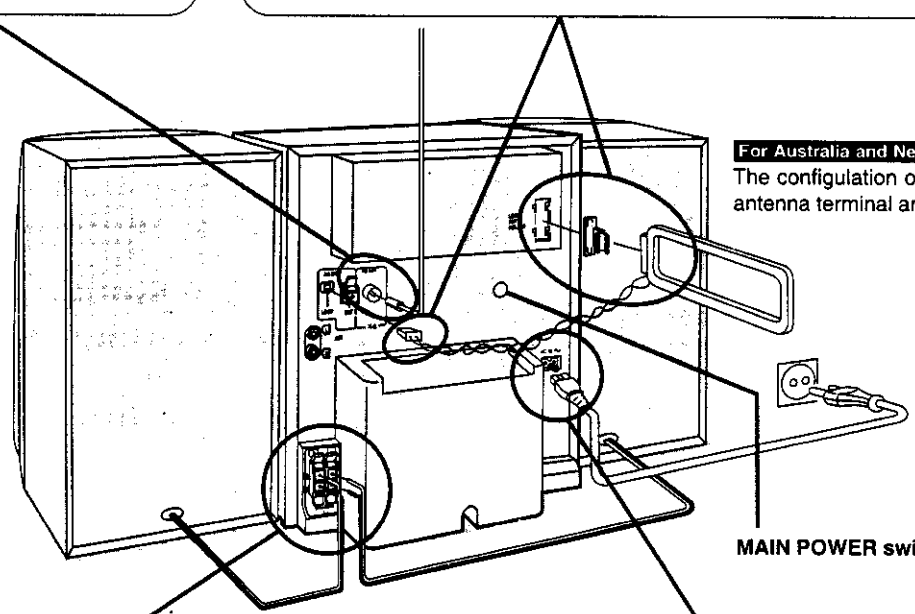



Attach to a wall (using tape) facing in the direction of best reception.
**For best reception sound quality:**
An FM outdoor antenna is recommended.
Disconnect the FM indoor antenna if an FM outdoor antenna is installed.

### 2 AM loop antenna

1. Attach the antenna holder to the rear panel. Press the antenna holder hard enough to get it fixed firmly in place, with a click.
2. Clamp the antenna to the antenna holder.
3. Connect the antenna terminal to the rear panel of the unit.
4. While listening to an AM broadcast, position the loop antenna for the best reception.



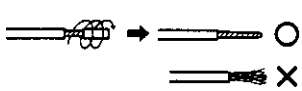



For Australia and New Zealand
The configulation of AC mains lead and antenna terminal are different.

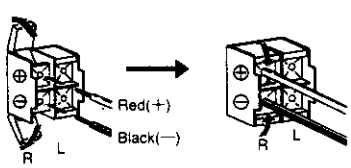
**MAIN POWER switch**

### 3 Speaker cords

① Strip off the outer covering, and twist the center conductor.



② Match the cords to the terminals by color and connect.



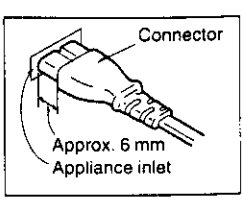

**Note**
To prevent damage to circuitry, never short-circuit positive (+) and negative (−) speaker wires.

**For United Kingdom:**
**BE SURE TO READ THE CAUTION FOR AC MAINS LEAD ON PAGE 4 BEFORE PROCEEDING TO STEP 4.**

### 4 AC mains lead

Plug the cord into an outlet only after all other connections have been made.

**For United Kingdom:**
**Insertion of Connector**
Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing.
However there is no problem using the unit.



**SC-CH75**

**For Australia and New Zealand**

After you have connected all other cables:
Press MAIN POWER switch at the rear panel to ON position.
The primary circuit is always "live" as long as this switch is set to ON position.

**Note:**

If you do not plan to use the system for a long time, press the MAIN POWER switch to OFF position or disconnected the AC power supply cord.

**Caution**

**Use this speaker only with the recommended system. Failure to do so may lead to damage to the amplifier and/or the speaker, and may result in the risk of fire. Consult a qualified service person if damage has occurred or if you experience a sudden change in performance.**

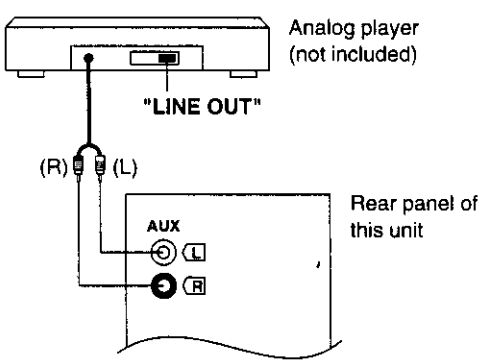
## *External unit connection*

- For details, refer to the instruction manual of the units which are to be connected.
- When units other than those described below are to be connected, please consult with your audio dealer.

### *Analog player*

Only an analog player with a built-in phono equalizer can be connected.
This example shows how to connect the analog player with the PHONO OUT/LINE OUT switch.

Set the switch to the "LINE OUT" position at the back of the analog player.



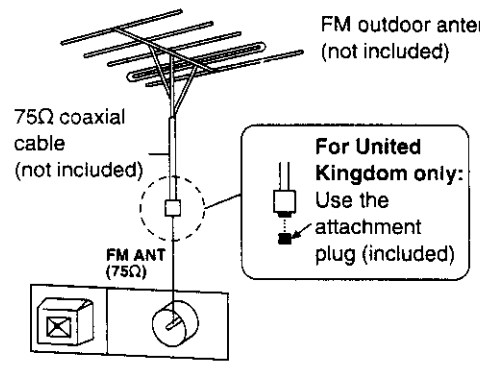

## *Optional antenna connections*

You may need an outdoor antenna if you use this system in a mountainous region or inside a reinforced-concrete building, etc.

### *FM outdoor antenna*

**Note**

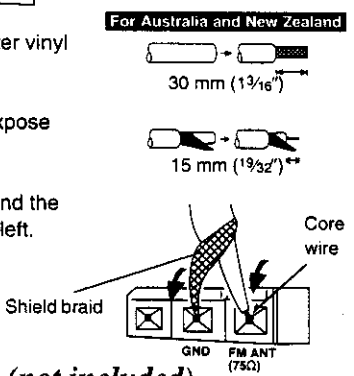
An outdoor antenna should be installed by a competent technician only.




① Remove a piece of the outer vinyl insulator.

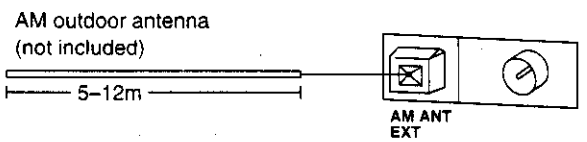
② Twist the shield braid to expose the core wire.

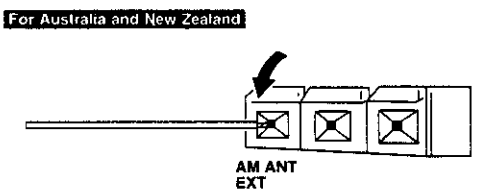
③ Connect the shield braid and the core wire as shown at the left.




### *AM outdoor antenna (not included)*

Connect the outdoor antenna without removing the AM loop antenna. Run 5 to 12 m of vinyl-covered wire horizontally along a window or other convenient location.

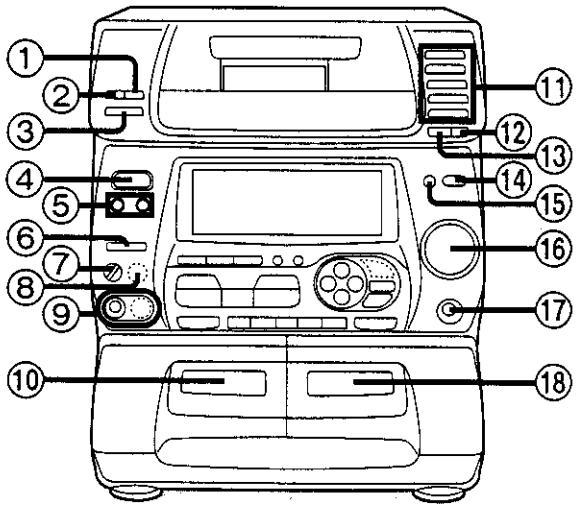


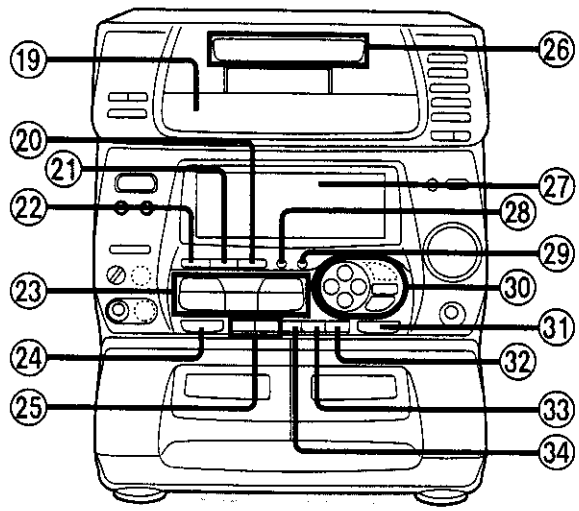




**Note**

When the unit is not in use, disconnect the outdoor antenna to prevent possible damage that may be caused by lightning. Never use an outdoor antenna during an electrical storm.

# Front panel controls

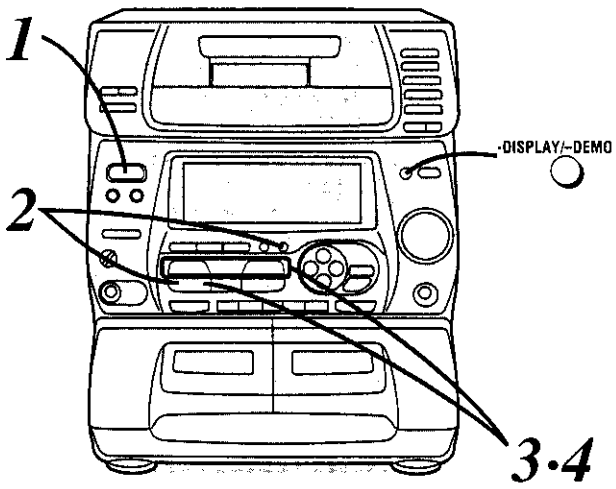



| No. | Name | Ref. page |
|---|---|---|
| ① | **Repeat button (REPEAT)** | *13* |
| ② | **Random play button (RANDOM)** | *14* |
| ③ | **CD edit button (EASY EDIT)** | *23* |
| ④ | **Power "STANDBY ⏻/ON" switch (POWER, STANDBY ⏻/ON)**<br>Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power. | *9* |
| ⑤ | **Record timer/play timer button (⏲ REC, ⏲ PLAY)** | *27, 29* |
| ⑥ | **Karaoke button (KARAOKE)** | *31* |
| ⑦ | **Microphone volume control (MIC)** | *31* |
| ⑧ | **SC-CH75 only**<br>**Echo volume control (ECHO)** | *31* |
| ⑨ | **SC-CH75**<br>**Microphone jacks (MIC 1–2)**<br>**SC-CH74**<br>**Microphone jack (MIC)** | *31*<br>*31* |
| ⑩ | **Deck 1 cassette holder** | *16* |
| ⑪ | **Disc select buttons (DISC 1–5)** | *14* |
| ⑫ | **Disc check button (CHECK–NEXT/–AUTO)** | *12* |
| ⑬ | **Disc tray open/close button (▲ OPEN/CLOSE)** | *12* |
| ⑭ | **Remote control signal sensor** | *5* |
| ⑮ | **Display select/demonstration button (–DISPLAY/–DEMO)** | *32* |
| ⑯ | **Volume control (VOLUME)** | *11* |
| ⑰ | **Headphones jack (PHONES)** | *32* |
| ⑱ | **Deck 2 cassette holder** | *20* |

| No. | Name | Ref. page |
|---|---|---|
| ⑲ | **Disc tray** | *12* |
| ⑳ | **Tuner, band select button (TUNER, BAND)** | *10* |
| ㉑ | **CD button (CD)** | *13* |
| ㉒ | **Tape, deck select button (TAPE, DECK 1/2)** | *16* |
| ㉓ | **Basic operating buttons**<br>Buttons change according to the source. | *11, 13, 16* |
| ㉔ | **Deck 1 open button (DECK 1, ▲ OPEN)** | *16* |
| ㉕ | **Tape edit buttons (TAPE EDIT NORMAL, HIGH)** | *25* |
| ㉖ | **Disc indicators (DISC 1–5)** | *13* |
| ㉗ | **Display** | |
| ㉘ | **AUX button (AUX)** | *32* |
| ㉙ | **Clock/timer button (CLOCK/TIMER)** | *9* |
| ㉚ | **Sound quality buttons**<br>**SC-CH75 only**<br>**Graphic equalizer button (G. EQ)** | *18*<br>*18* |
| ㉛ | **Deck 2 cassette open button (DECK 2, ▲ OPEN)** | *20* |
| ㉜ | **Reverse mode select button (REV MODE)** | *16* |
| ㉝ | **Dolby noise reduction button (DOLBY NR)** | *16* |
| ㉞ | **Recording start/stop button (REC. START/STOP)** | *20* |

# *Setting the time*




- The built-in demo function will run automatically shortly after you plug in the system (see page 32).
- The demo function in the power standby mode will be cancelled automatically by setting the time.

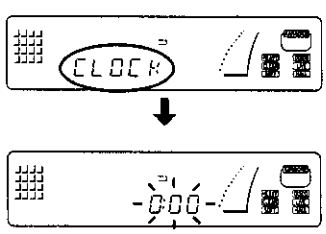
This is a 24-hour display clock.
This example in the figure shows how to set the time for 16:25 (4:25 p.m.).

**1** POWER STANDBY⏻/ON

**Switch on the power.**

**2** CLOCK/TIMER

**① Press CLOCK/TIMER once to show "CLOCK".**

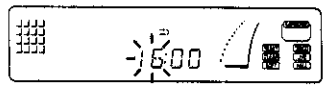



**Within 7 seconds:**

**② Press MEMORY/SET.**

**3**

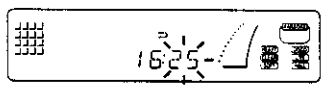
**① Press ∨ or ∧ to select the hour.**




**② Press MEMORY/SET.**

**4**

**① Press ∨ or ∧ to select the minutes.**




**② Press MEMORY/SET to finish setting the time.**

The clock now starts.
The display will return to the previous display after few seconds.

### When "0:00" flashes or the demo function is running:

This happens when you connect the AC power supply cord for the first time or if there has been a power failure.
In this case, reset the time.

### If the minutes setting has gone wrong:

1. Press CLOCK/TIMER.
2. Press MEMORY/SET twice.
3. Press ∨ or ∧ to set the minutes, and then press MEMORY/SET.

### To display the clock again:

Press CLOCK/TIMER.
The display will return to the previous display after about 5 seconds.

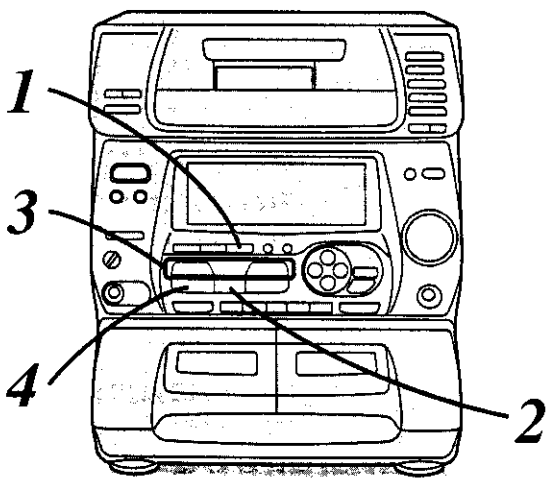
### For your reference

The hour indication will not change when the minutes pass from "59" to "00".

**Demo function while the power is on:**
When the input source is set to "CD" or "TAPE", the demo function will run automatically after about 2 minutes or more in the stop mode.
You can cancel the demo function by pressing and holding -DISPLAY/–DEMO for about 2 seconds or more.

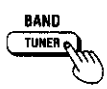
# Memory presetting

- If broadcast frequencies are preset in the memory, you can easily tune in any of these frequencies from the system or remote control unit.
- Up to 12 stations can each be set in the FM, LW and MW (For the Australia and New Zealand: AM) bands with the automatic or manual memory presetting.




## *Automatic memory presetting*

This example in the figure shows how to preset stations in the FM band.

**1** 


**Press TUNER, BAND to select "FM", "MW" or "LW".**

For Australia and New Zealand

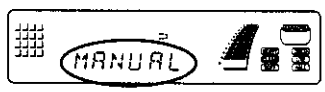
**Note that for Australia and New Zealand, there are two bands of "FM", "AM" instead of "FM", "MW", "LW".**

The power will come on automatically, even if the system is on standby.

**2**


**Press TUNING MODE to select "MANUAL".**

Each time you press the button, "MANUAL" and "PRESET" will appear alternately.

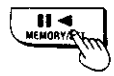



**3**

**Press ∨ or ∧ until the display shows the frequency from which you want to begin automatic memory presetting.**

Holding the button down will scroll the frequency. Repeatedly tapping on it will change the frequency one step with every touch.

While scrolling, if the radio picks up a station, it will automatically tune it in (auto tuning).

**4** 

**Press and hold MEMORY/SET.**

Release the button when the frequency display begins to change.

The unit will automatically memorize the received broadcast frequencies in sequence.

**The moment the frequency is memorized**

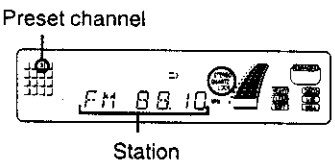
The station and channel will be displayed for about 1 second.

**When auto memorization is complete**

The last station to be memorized will be left on the display.

### To confirm the preset stations:

1. Press TUNING MODE to select "PRESET".
2. Press ∨ or ∧.




**Note**

Auto memory presetting does not work when radio waves from the broadcasting station are too strong or too weak.

In such case, carry out presetting manually. (See below.)

## *Manual memory presetting*

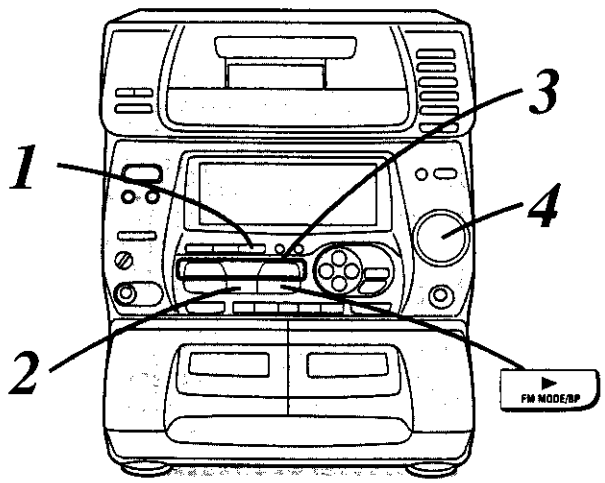
(After step 2)

1. Press ∨ or ∧ to select the desired frequency, and press "MEMORY/SET". ("PROGRAM" flashes.)
2. Press ∨ or ∧ to select the preset channel, and then press "MEMORY/SET" during "PROGRAM" flashes.
   "PROGRAM" indicator goes off.

**Memory retention**

The contents of the memory will continue to be stored for approximately 2 weeks, even if the power supply cord is disconnected.

# Listening to radio broadcasts




## Preset tuning

Be sure you've completed the steps in "Memory presetting" on page 10.
This example in the figure shows how to listen to FM preset channel 3.

**1**


**Press TUNER, BAND to select "FM", "MW" or "LW".**

For Australia and New Zealand

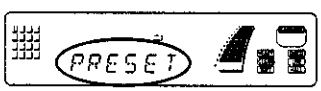
**Note that for Australia and New Zealand, there are two bands of "FM", "AM" instead of "FM", "MW", "LW".**

The power will come on automatically, even if the system is on standby.

**2**


**Press TUNING MODE to select "PRESET".**

Each time you press the button, "MANUAL" and "PRESET" will appear alternately.

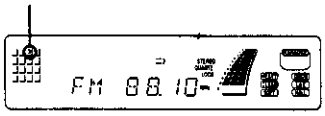


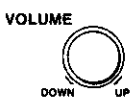

**3**


**Press ∨ or ∧ to select the preset channel.**

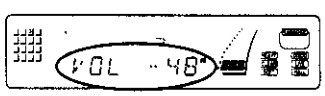
"STEREO" lights when an FM stereo broadcast is being received. "QUARTZ LOCK" lights when you precisely tune in a broadcast station.

Preset channel




**4** 


**Turn VOLUME to adjust the volume as you like.**




## Manual tuning

If the frequency is not known, use the tuning buttons for searching.

1. Press TUNER, BAND to select band.
2. Press TUNING MODE to select "MANUAL".
   Each time you press the button, "MANUAL" and "PRESET" will appear alternately.
3. Press ∨ or ∧ to tune in the desired broadcast.
   Repeatedly tapping on the button will change the frequency one step with every touch. Holding it down will scroll the frequency. While scrolling, if the radio picks up a station, it will automatically tune it in (auto tuning).
4. Turn VOLUME to adjust the volume as you like.

**Note**

Tuning may stop automatically if any jamming is encountered.

### Switching the mode from stereo to monaural while listening to an FM station: Press FM MODE/BP.

The sound reception mode switches to "MONO" (monaural) and "MONO" lights.

**When "MONO" indicator lights up:**
Use this setting when listening to or recording in monaural. All sound reception including stereo sound, is in monaural.

**When "MONO" indicator goes off:**
Use this setting for normal listening. Both stereo and monaural sounds can be heard as they are.

### For your reference:

If too much noise is produced in the FM stereo mode, press FM MODE/BP and check "MONO" lights up.
The sound will then be heard in monaural. If the broadcast signal is weak, or if there is a large amount of interference, you will get a clearer sound in "MONO" mode.

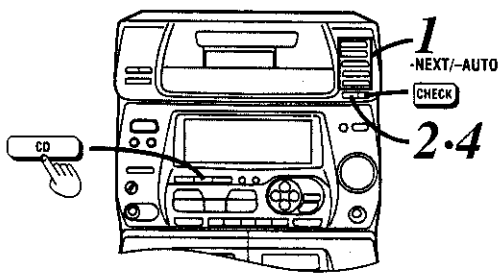
**Note**

You cannot memorize the stations in the "MONO" mode.

# Listening to compact discs

## Loading and checking CDs

Always stop the changer before loading or changing CDs. You cannot change CDs while a disc is playing.

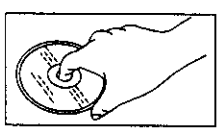


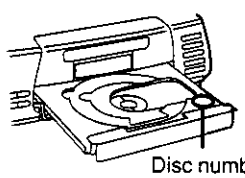

### How to load CDs

**1** **Press DISC 1–5, whichever you want to open.**

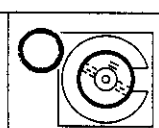
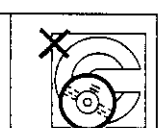
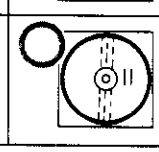
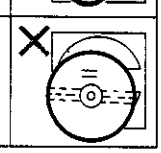
**2** **Within about 5 seconds:**
**Press ⏏ OPEN/CLOSE.**

**3** **Set the CD in the tray.**
•How to hold CDs

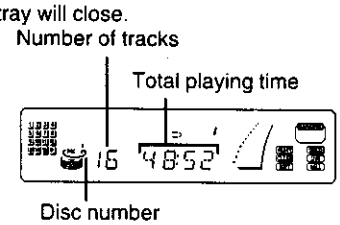





•Load CDs as shown below.

| | | |
|---|---|---|
| 8 cm CD |  |  |
| 12 cm CD |  |  |

**4** **Press ⏏ OPEN/CLOSE.**
The open tray will close.




**5** **To load other CDs, repeat steps 1 through 4.**

**For your reference:**
If the tray you want to open is already shown on the display, you obviously do not need to perform step 1.

### How to check which trays have discs

"CHECK" is a convenient way to know what discs you have in your changer and where.

**Press CHECK (-NEXT).**
- Every time you press the button, the next tray opens.
- You can change the CD while the tray is open.
- To close the tray, press ⏏ OPEN/CLOSE.

**Press and hold CHECK (–AUTO).**
The trays will open (and close) automatically one after another. The first one to open will be the next tray after the disc number shown on the display. This way, you can check all trays in a row.
- To stop the auto check in course, press ■.

**Note**
Do not attempt to change CDs while trays are opening and closing in the auto check.

### Disc indicators

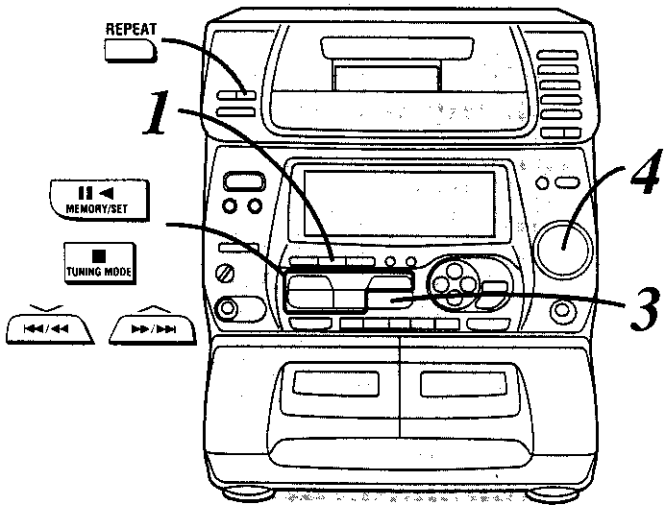
When you open or close a tray with the ⏏ OPEN/CLOSE button, the changer automatically detects whether there is a CD in the tray or not. The indicator will act as follows.

| | |
|---|---|
| ● (red) | There's a CD in the tray. |
| light off | There isn't a CD in the tray. |

While the CD is playing, its indicator is green.

**Note**
In the following cases, CD detection is OFF. The indicators will be red whether there is a disc in the tray or not.
Assuming that the tray is already opened.
- When the tray is closed with CHECK
- When the tray is closed with DISC 1–5
- When an input mode (TUNER/TAPE/AUX) other than CD is selected and the tray is closed with ⏏ OPEN/CLOSE.

**For your reference:**
While the CD changer is changing discs, the disc indicators will flash.




## *Sequential play*

**1**

### Press CD.

The power will come on automatically, even if the system is on standby.

**2**

### Insert CDs in the trays.

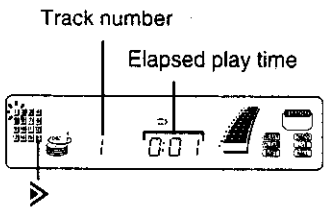
(For details, see page 12.)
When there are 16 or more tracks on the CD, "▶" will appear.

**Note**

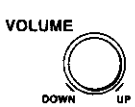
The total playing time displayed when a disc is loaded includes intervals between tracks. This is why sometimes the displayed time is longer than that listed on the CD.

**3**

### Press ▶.




The changer will automatically play all tracks on all discs. It will start from the first track on the disc shown on the display, and will continue until playing the last track of the final disc (see below).

**4** 


### Adjust the volume level as you like.

### To stop the disc play:

Press ■.

### To temporarily stop the disc play:

Press ❚❚.
To play again, press ▶.

### What is meant by "final disc"?:

For example, if play starts from disc 4, disc 3 will be the "final disc".
**Order of progression:**
Disc 4→5→1→2→3

### When "NO DISC" display appears:

It indicates that the disc tray now shown on the display is empty.

### For your reference:

If you press ▶ instead of ▲ OPEN/CLOSE after inserting a CD, the tray will close and play will start directly from the track 1.

## *Skip function*

### Press either I◀◀/◀◀ or ▶▶/▶▶I.

▶▶/▶▶I: To skip forward
You can skip as many tracks as the number of times you press the button.
I◀◀/◀◀: To skip backward
You can skip to the beginning of the track being played. If you press the button again quickly, you can skip to the beginning of the previous track.

### For your reference:

- In random play mode (See page 14), you cannot skip to the previous track.
- In program play mode (See page 15), you can skip only the programmed tracks.

## *Search function*

### While in play mode, press and hold either I◀◀/◀◀ or ▶▶/▶▶I.

**Release the button when you have reached the desired point.**
▶▶/▶▶I: To search forward
I◀◀/◀◀: To search backward

### For your reference:

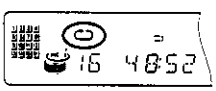
During random play and program play, search will take place within the track being played. (See pages 14 and 15.)

## *Repeat function*

This function repeats the play of all tracks.

### Press REPEAT before or during play.

"↻" will light.



### To cancel repeat play:

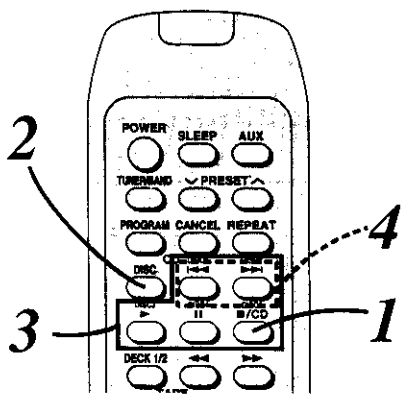
Press REPEAT once again.
"↻" will go out.

### For your reference:

In program play mode (See page 15), the CD changer will repeat only the programmed tracks. You can enjoy the same track over and over by programming only one track.

## Direct access play

**by remote control only**




Direct access allows you to start sequential play from a specific track to the last track on the final disc.

**1** **Press ■/CD.**

**2** **Press DISC.**

**3** **(within 10 seconds or so) Press DISC 1–5, whichever disc you want.**

If wanting to listen to the disc from the first track, there is no need to perform step 4.

**4** **Press ⏮ or ⏭ to select the desired track number.**

Play will start with the track you select.

### What is meant by "final disc"?:

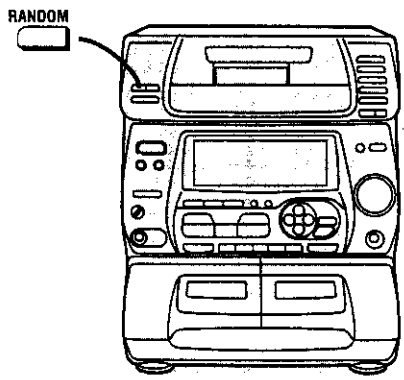
For example, if play starts from disc 4, disc 3 will be the "final disc".

**Order of progression:**

Disc 4→5→1→2→3

## Random play

In random play, the changer randomly selects the tracks. It will play each track once until all tracks on all the loaded discs have been played, and will then stop automatically.




**Press RANDOM.**

"RANDOM" will light, and then random play will start.
Play will stop automatically when all tracks on all of the discs finish playing randomly.

### To cancel random play:

Press RANDOM once again.
"RANDOM" will go out. The CD changer resumes the sequential play mode.

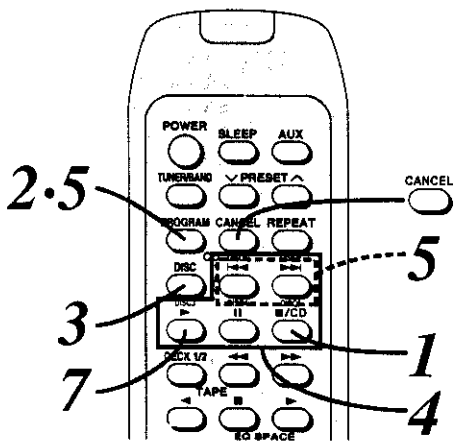
### For your reference:

In the program play mode (See page 15), the programmed tracks will be played randomly.

## *Program play*

**by remote control only**

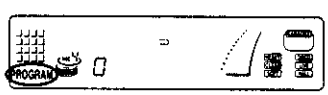
This function allows you to program up to 24 tracks.



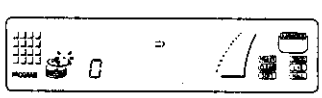

This example shows how to program track 8 from disc 2 and track 3 from disc 5.

**1** **Press ■/CD.**

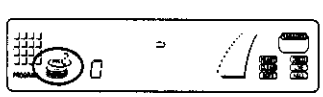
**2** **Press PROGRAM.**
"PROGRAM" will light.



**3** **Press DISC.**

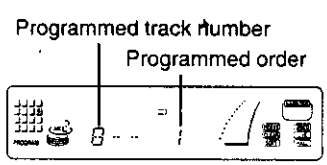


**4** **(within 10 seconds or so) Press DISC 1–5, whichever disc you want.**



**5** **① Press ⏮ or ⏭ to select the desired track number.**

**② (within 10 seconds or so) Press PROGRAM.**




**6** **Repeat steps 3 through 5 until you have programmed all the tracks you want.**

**7** **Press ▶.**
Play will start in the programmed sequence.
When all the programmed tracks have been played, the changer will stop automatically.
"P" of the program play mode will appear on the display.

### To cancel program play:
Press ■. (Press ■ twice during program play).

### To check programmed tracks:
Press ⏮ or ⏭ when "P" appears on the display.
Track number and the programmed order will appear on the display.

### To add a programmed track:
Repeat steps 3 through 5 when "P" appears on the display.

### To clear a programmed track one by one:
Press CANCEL when "P" appears on the display.
Each time you press the button, the last programmed track will be cancelled.

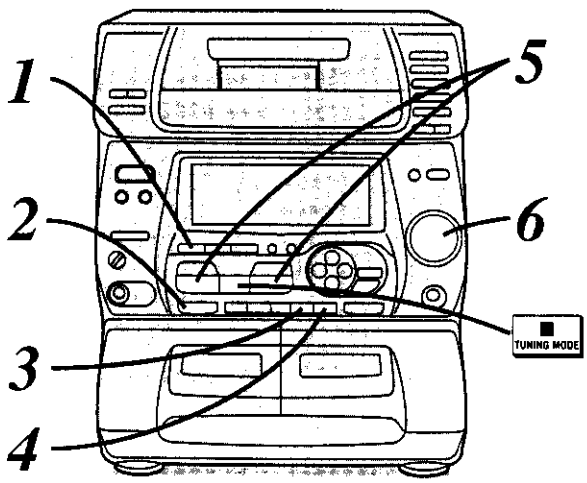
### When "CD FULL" appears:
The number of programmed tracks is limited to 24. No further tracks can be programmed.

### For your reference
The program will remain stored in memory for approximately two weeks even after the unit is switched off.

**Note**

If you enter non-existing disc(s) or track(s), the corresponding indicator illuminates and the entry is included in the count. In the play mode, the changer will cancel the non-existing entry.

# Listening to tapes




- You can use either deck 1 or deck 2 for tape playback.
- This page shows an example using deck 1.

**1** DECK1/2 TAPE

**Press TAPE, DECK 1/2.**

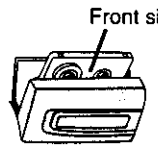
The power will come on automatically, even if the system is on standby.

**2** DECK 1 ▲ OPEN

**Press ▲ OPEN on deck 1, and then insert the tape.**

Insert the tape with the exposed tape facing down.

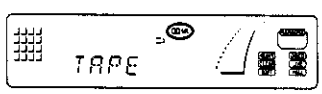
Close the holder.




**3** DOLBY NR

**Press DOLBY NR if the cassette you want to play was recorded using Dolby noise reduction mode.**

If the tape was not recorded using Dolby NR, press DOLBY NR again so that the Dolby NR indicator will go off.




**4** REV MODE

**Press REV MODE to select the reverse mode.**

Each time you press REV MODE, one of the indicators will light up.

- ⇀: The deck plays one side only, and then stops automatically.
- ⇄: The deck plays both sides, and then stops automatically.
- ↻⇄: The deck plays both sides 8 times, and then stops automatically.

When you load tapes into both decks; series playback will be selected. (See page 17.)

**5** ◄◄ MEMORY/SET ►► FM MODE/BP

**Press ◄ or ► to start playback.**

►: The forward side (front side) will play.

◄: The reverse side will play.

**6** VOLUME DOWN UP

**Adjust the volume level as you like.**

### To stop tape playback:

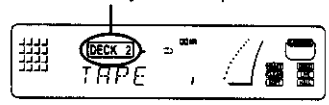
Press ■.

■ TUNING MODE

### To change the deck to be used:

Press TAPE, DECK 1/2 to select the deck you want to use when you load cassettes into both decks.

DECK 1 or DECK 2 indicator will illuminate to show which deck you can operate.




**Note**

Playback is interrupted while playing back tapes, if you open the other deck.

### For your reference:

The tape will automatically stop when a different source mode is selected during its operation.

### About priority of the deck:

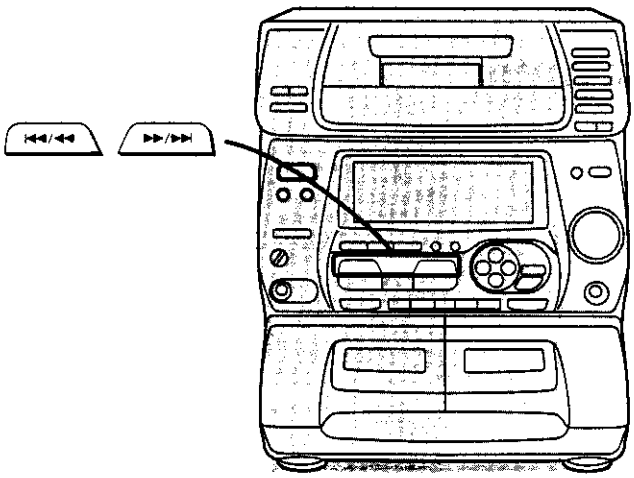
When you load cassettes in both decks, the DECK 1 or 2 indicator will light to show which deck you loaded last.

The system automatically selects "DECK 2" when you turn on the power or whenever you switch to another source and then back to the tape deck.

### Type of tape which can be played correctly:

The unit automatically identifies the type of tape.

| | |
|---|---|
| NORMAL POSITION/TYPE I | ○ |
| HIGH POSITION/TYPE II | ○ |
| METAL POSITION/TYPE IV | ○ |




## *To fast-forward or rewind the tape*

**Press I◄◄/◄◄ or ►►/►►I while the tape is in the stop mode.**

If the forward side (►) of the tape is selected:
►►/►►I: The tape will be fast forwarded.
I◄◄/◄◄: The tape will be rewound.

## *To find the beginning of a program (TPS: Tape Program Sensor)*

**Press I◄◄/◄◄ or ►►/►►I while the tape is playing.**

If the forward side (►) is playing:
►►/►►I: The tape will play from the beginning of the next tune.
I◄◄/◄◄: The tape will rewind to the beginning of the present tune. Then the tune will play again.

If the reverse side (◄) of the tape is playing:
The reverse operation should take place.

**Note**

TPS is a function that searches for the silent passage in a tape program. So, it may sometimes fail to operate correctly in the following situations.

- When there is no blank space between tape programs (for example, a tape recorded from a microphone)
- When the interval between programs is less than 4 seconds
- When there is a particular low-level passage in a program (for example, classical music)
- When the program is less than 10 seconds, or when it is less than 10 seconds from the beginning of the program to the beginning of the next program
- When a tape is recorded with fade-ins or fade-outs

## *Series playback*

1. Press ▲ OPEN on decks 1 and 2, and then insert the tapes. Insert the tape in deck 1 with the side that you wish to listen to first facing you.
2. Press DOLBY NR if the cassettes you want to play were recorded using Dolby noise reduction mode.
3. Press REV MODE to select "C⇄D" mode.
4. Press TAPE, DECK 1/2 to select deck 1. "DECK 1" will light up.
5. Press ►.

① Forward side of tape in deck 1 ←
↓
② Reverse side of tape in deck 1
↓
③ Forward side of tape in deck 2
↓
④ Reverse side of tape in deck 2 ——┘

- After repeating above operation 8 times, the tape will automatically stop.
- You can also start playback from a position other than the forward side in deck 1 (①). In this case, too, the deck counts 1 time after finishes playback of the reverse side of tape in deck 2 (④).

**To stop tape playback:**
Press ■.

### For your reference:

You cannot select Dolby NR for one deck but not the other. We recommend you use tapes of the same type (Dolby noise reduction).

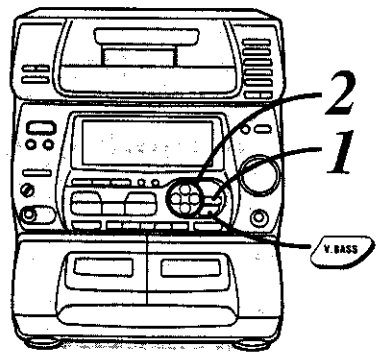
## *About Dolby Noise Reduction system*

Using Dolby NR reduces tape hiss in the high-frequency range. It boosts the level of the high-frequency during recording, and lowers it by the same amount during playback, simultaneously reducing high-frequency interference incurred during the recording process.

Noise is reduced to about one-third.
Use this system when playing back tapes recorded by the Dolby-B noise-reduction system, such as prerecorded music tapes, etc.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ⧈ are trademarks of Dolby Laboratories Licensing Corporation.

# Changing sound quality and field

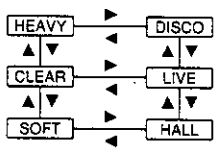



## Selecting sound quality and field

Base your selection on the type of music and how you want to listen to it.

**1** **Press EQ SPACE.**

**2** **Press ◄ or ► or ▼ or ▲ to select the desired mode.**




**HEAVY:** Use to add "punch" to rock and other music.
**CLEAR:** Use to clarify the treble range of jazz, etc.
**SOFT:** Use to listen to background music, etc.
**DISCO:** Use to reproduce a long reverberating sound like that heard in discotheques.
**LIVE:** Use primarily for vocal pieces to add gloss to the vocals.
**HALL:** Use to impart a deep bass and spread which will make you feel as if you were in a large concert hall.

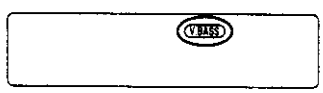
### To cancel the mode:
Press EQ SPACE to select "FLAT".

### For your reference:
You can record with the desired mode. First select the desired mode, and then start recording.
To playback such recordings, press EQ SPACE to select "FLAT".

## Adding bass

for playback only

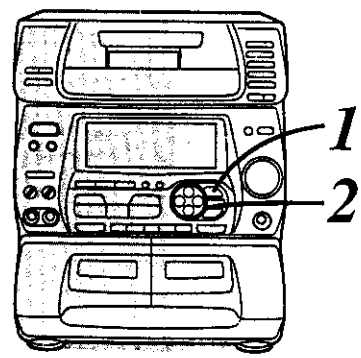
**Press V. BASS.**



Press the button again to cancel.
"V. BASS" goes out.

## Adjusting sound quality

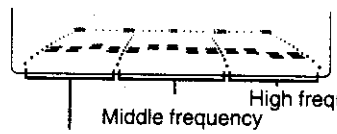
SC-CH75 only



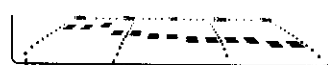

**1** **Press G.EQ.**

**2** **Press ◄ or ► to select the desired frequency.**
Flashing parts are adjustable frequencies.






**3** **Press ▼ or ▲ to adjust the frequency level.**



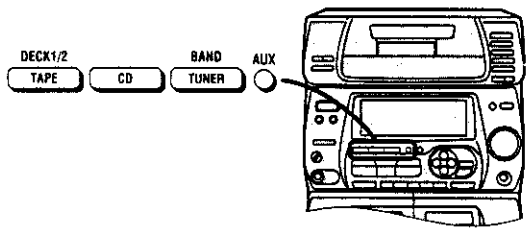
Sample of frequency level "up"

**4** **Repeat steps 2 through 3 until you have adjusted the desired frequency.**

### To cancel the mode:
Press G. EQ to select "FLAT".

### For your reference:
You can record with the desired mode. First select the desired mode, and then start recording.
To playback such recordings, press G. EQ to select "FLAT".

# Convenient functions




## Easy play

When you load a CD or cassette in advance, you can start play directly from standby by pressing the appropriate button.

### Listening to tapes

**Press TAPE, DECK 1/2.**

- If both decks are loaded with tapes, playback starts from deck 2.
- The reverse mode stores the previously selected mode in memory.

### Listening to compact discs

**Press CD.**

- Play will begin from the disc that you last heard.
- When the tracks has been programmed, the play will start in the programmed sequence.

### Listening to radio broadcasts

**Press TUNER, BAND.**

You can receive the station last tuned in.

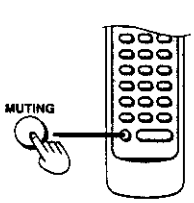
### Listening to external units

**Press AUX.**

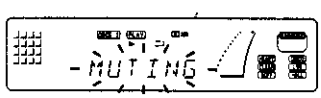
The system will turn on and the unit connected to the "AUX" terminals will be selected as the input source.

## To mute the volume by remote control only

This feature is convenient when you have a telephone call, etc.




**Press MUTING.**




Press the button again to cancel.
"MUTING" goes out.

Muting can also be canceled by lowering the volume all the way (— dB).

When the system is turned off, the muting operation will be automatically canceled.

# Before recording

DECK 2 only

## Type of tape which can be recorded correctly

The unit automatically identifies the type of tape.

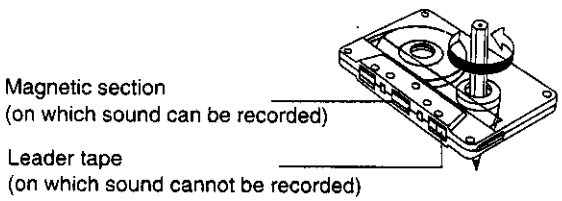
| | |
|---|---|
| NORMAL POSITION/TYPE I | ○ |
| HIGH POSITION/TYPE II | ○ |
| METAL POSITION/TYPE IV | × |

Recording may not turn out as you want it to when using metal tapes.

## How to advance the leader tape

Wind the leader tape forward so that recording can start as soon as you press the button. But, this is not necessary if edit-recording from CDs.

The leader tape is the first few revolutions that you cannot record on.




## Concerning the volume level while recording

The deck automatically sets the recording level. If you change the volume level while recording, it does not affect the recording volume level.

## Concerning the sound quality and field while recording

**To record the sound as it is:**
Press EQ SPACE to select "FLAT", and then start recording.
**To record with the desired sound quality:**
Select the desired sound quality, and then start recording.

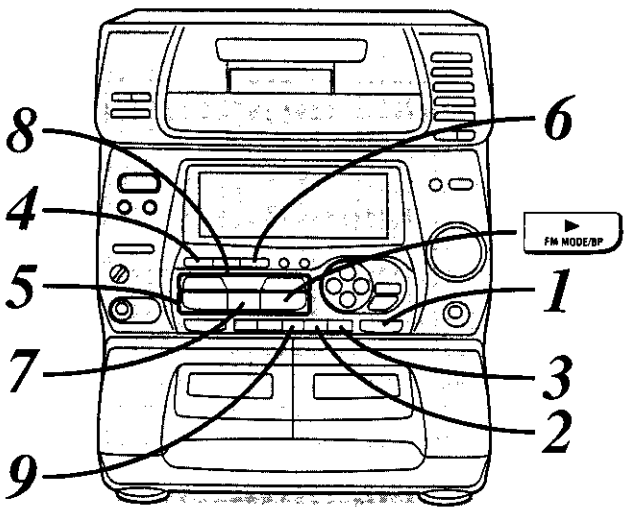
**Note**

- You cannot open the deck while recording with it.
- You cannot fast-forward or rewind one deck while recording with the other.

## To erase a recorded sound

1. Unplug the microphone if connected.
2. Press TAPE, DECK 1/2.
3. Insert the recorded tape into deck 2.
4. Press DOLBY NR so that the Dolby NR indicator goes off.
5. Press REV MODE to select reverse mode.
6. Press REC START/STOP.

# *Recording from radio broadcasts*



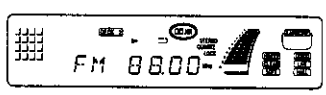

Advance the leader tape a few revolutions.

**1** DECK 2 ▲OPEN

**Press ▲ OPEN on deck 2, and then insert the tape.**
Close the holder.

**2** DOLBY NR

**When making a Dolby NR recording, press DOLBY NR so that the Dolby NR indicator lights.**




**3** REV MODE

**Press REV MODE to select the reverse mode.**
- ⇄: One side will record, and then the tape will stop automatically at the tape end.
- ⇄↻: Both sides will record (forward side→reverse side), and then the tape will stop automatically at the tape end.
- ↺⇄↻: Same as above. (When you press REC START/STOP, "↺⇄↻" will be automatically switched over to "⇄↻".)

**4** DECK1/2 TAPE

**Press TAPE, DECK 1/2 to select "DECK 2".**

**5** ◄◄ MEMORY/SET ► FM MODE/BP

**Press ◄ or ►, immediately followed by ■.**
This selects which direction the tape runs in.
- ►: Recording from forward side
- ◄: Recording onto reverse side

■ TUNING MODE

**6** BAND TUNER

**Press TUNER, BAND to select "FM", "MW" or "LW".**
For Australia and New Zealand
**Note that for Australia and New Zealand, there are two bands of "FM", "AM" instead of "FM", "MW", "LW".**

**7** ■ TUNING MODE

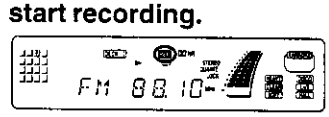
**Press TUNING MODE to select "PRESET".**
You can also select the desired broadcast station by tuning manually.
(See page 11.)

**8** ⏮/◄◄ ⏭/►►

**Press ∨ or ∧ to select the preset channel.**

**9** START/STOP REC

**Press REC START/STOP to start recording.**




### To stop recording
Press REC START/STOP again.
Recording can also be stopped by pressing ■.

### To cut an unnecessary part while recording
1. Press REC START/STOP when hearing a unnecessary part. The cassette deck will go into the stop mode.
2. Press REC START/STOP when wanting resume recording again. Recording will continue in the same direction as before.

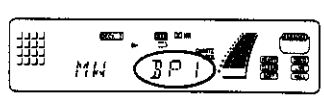
## *To reduce the noise while LW/MW recording (Beat proof function)*

**While in the recording mode of LW/MW (For Australia and New Zealand: AM) band;**

FM MODE/BP

**Press FM MODE/BP while recording.**

Each time you press the button, BP 1, BP 2 and BP 3 will be displayed alternately. (For Australia and New Zealand: BP 1 and BP 2 will be displayed alternately and "AM" display appears instead of "MW".)
Select the position where there is less noise.




Your attention is drawn to the fact that recording pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.

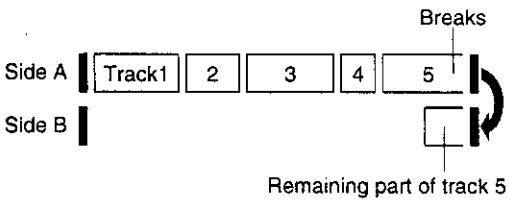
# Recording from compact discs

There are 2 ways to record from compact discs, normal recording and one-touch editing.

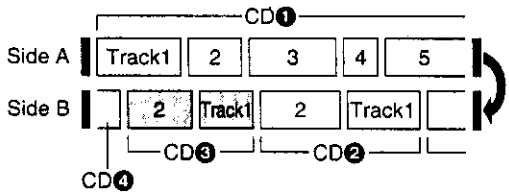
## Normal recording

- Tracks are recorded in the order in which they are found on the CD.
- Tracks are cut in the middle when the end of the tape is reached.
- You can record from any point on the tape.

**When you load one disc:**



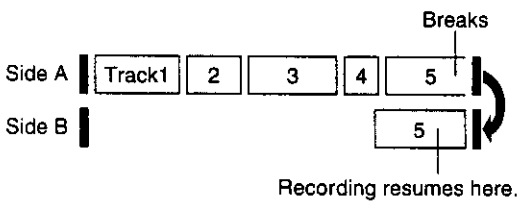
**When recording from more than one CD:**



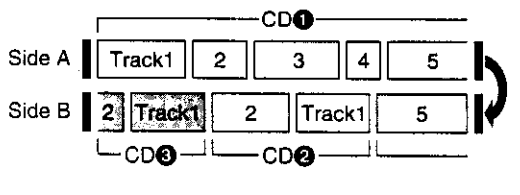

## One-touch editing

- Tracks are recorded in the order in which they are found on the CD.
- Tracks are cut in the middle when the end of the tape is reached, but recording is resumed on side B.
- Recording always starts from the beginning of the tape. (Tapes are automatically rewound.)

**When you load one disc:**



**When recording from more than one CD:**

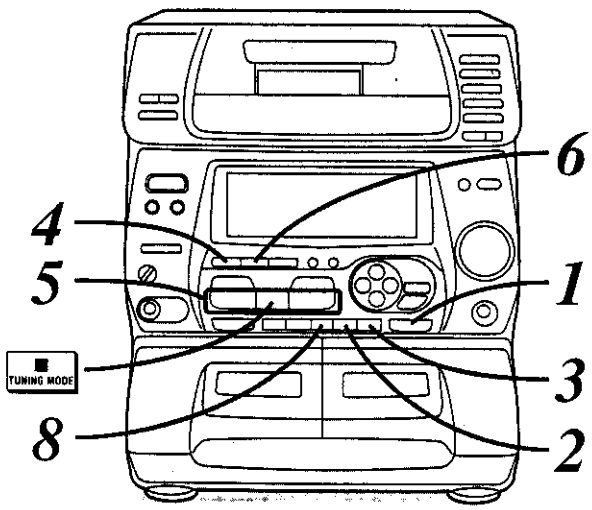



The link function automatically turns on between CDs to keep on recording.

**For your reference:**

- The recorded tape should be long enough to record the desired tracks.

## *Normal recording*



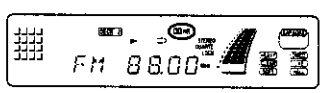

Advance the leader tape a few revolutions.

**1** DECK 2 ▲ OPEN

**Press ▲ OPEN on deck 2, and then insert the tape.**
Close the holder.

**2** DOLBY NR

**When making a Dolby NR recording, press DOLBY NR so that the Dolby NR indicator lights.**




**3** REV MODE

**Press REV MODE to select the reverse mode.**
- ⇄: One side will record, and then the tape will stop automatically at the tape end.
- ⇄: Both sides will record (forward side→reverse side), and then the tape will stop automatically at the tape end.
- ⇄: Same as above. (When you press REC START/STOP, "⇄" will be automatically switched over to "⇄".)

**4** DECK1/2 TAPE

**Press TAPE, DECK 1/2 to select "DECK 2".**

**5** MEMORY/SET FM MODE/BP TUNING MODE

**Press ◀ or ▶, immediately followed by ■.**
This selects which direction the tape runs in.
- ▶: Recording from forward side
- ◀: Recording onto reverse side

**6** CD

**Press CD.**

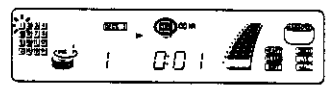
**7**

**Insert CDs in the trays.**
Recording will begin from the first track of the disc shown on the display. For example, if disc 4 is displayed, recording will begin from the first track on disc 4, and will continue in progressive order.

**Order of progression:**
Disc 4→5→1→2→3

**8** START/STOP REC

**Press REC START/STOP to start recording.**




### To stop recording

**To stop recording after a 4 second silent interval**
Press ■.

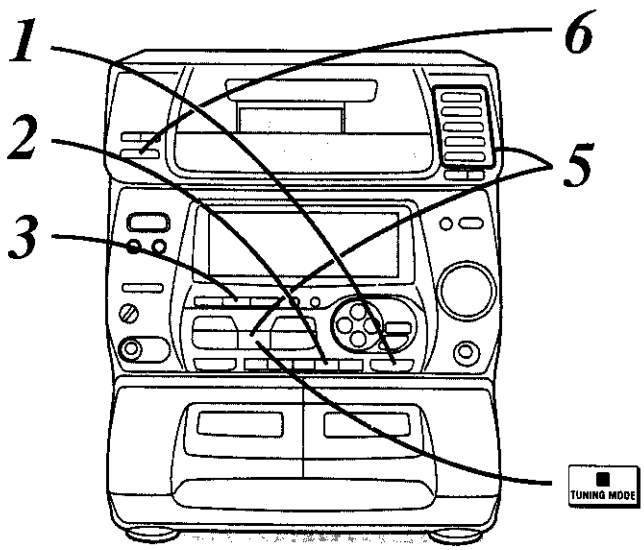
**To stop recording without a silent interval**
Press REC START/STOP.
The CD will stop automatically too.

### To record programmed tracks

① Perform steps 1–7, and then press PROGRAM on the remote control.
② Press DISC on the remote control.
③ Select the disc from the remote control.
④ Select the track number from the remote control, and then press PROGRAM.
⑤ Repeat steps ②–④ until programming all tracks (max. 24 tracks).
⑥ Press REC START/STOP to start recording.

## *One-touch editing*

- **You don't have to advance the leader tape.**
- **"⇄" of the reverse mode will be automatically selected.**




**1** DECK 2 ▲ OPEN

**Press ▲ OPEN on deck 2, and then insert the tape.**
Close the holder.

**2** DOLBY NR

**When making a Dolby NR recording, press DOLBY NR so that the Dolby NR indicator lights.**

**3** CD

**Press CD.**

**4**

**Insert CDs in the trays.**
Recording will begin from the first track of the disc shown on the display.

**5** DISC 1 / DISC 2 / DISC 3 / DISC 4 / DISC 5 → ■ TUNING MODE

**Specify the disc (DISC 1–5) you want to start recording from. Then, press ■.**
Of course, if the number of the disc you wanted is already displayed, you do not have to select it.

**6** EASY EDIT

**Press EASY EDIT to start recording.**
The deck starts rewinding the tape.

It takes a little while after the button is pressed for the recording to actually start.

### To stop editing

Press ■.
The CD changer section also stops.

### One-touch editing operation

1. The cassette deck will rewind the tape, and then advance the tape beyond the leader tape while making the non-recorded passage of about 10 seconds.
2. The recording from forward side starts.
3. If the last track on forward side has not yet finished recording, that track will automatically be recorded again from the beginning of reverse side.
4. Depending on the length of the tape, the last track on reverse side may be cut off in the middle.

### When one-touch editing finishes

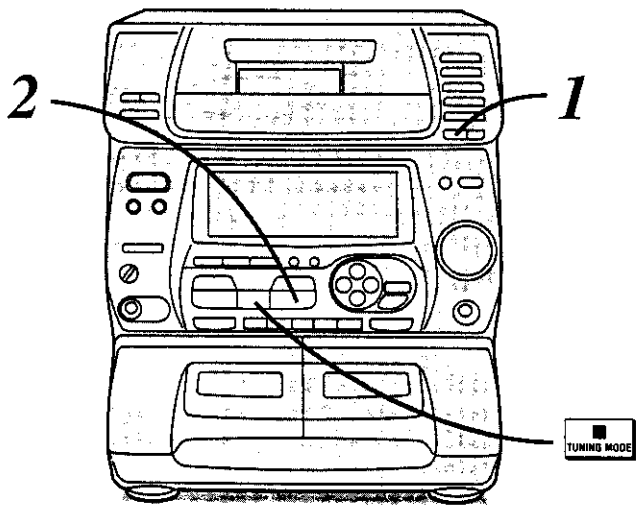
- The disc and track numbers last recorded will remain on the display.
- If there is another CD to record, "LINK" will flash on the display and the stereo will automatically start recording the next CD.
- If there isn't another CD to record, "LINK" will still flash on the display, but the stereo will go on standby. To continue recording, insert a disc and press ▶. (If you want to link the tracks, do not press ■.)

To quit linking, press ■.

### To record programmed tracks

① Perform steps 1–4, and then press PROGRAM on the remote control.
② Press DISC on the remote control.
③ Select the disc from the remote control.
④ Select the track number from the remote control, and then press PROGRAM.
⑤ Repeat steps ②–④ until programming all tracks (max. 24 tracks).
⑥ Press EASY EDIT to start recording.

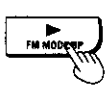
## Recording onto left over space on tapes (LINK)




You can link up another CD when "LINK" flashes after editing a CD.

**1**


**Press ▲ OPEN/CLOSE to replace the CD with another one.**

**2** 

**Press ▶.**
Linking will start.

### To continue linking tracks:

Repeat steps 1 and 2.
As long as there is space on the tape to record, when the recording finishing, the tape deck will put linking on standby.

### To cancel the LINK function:

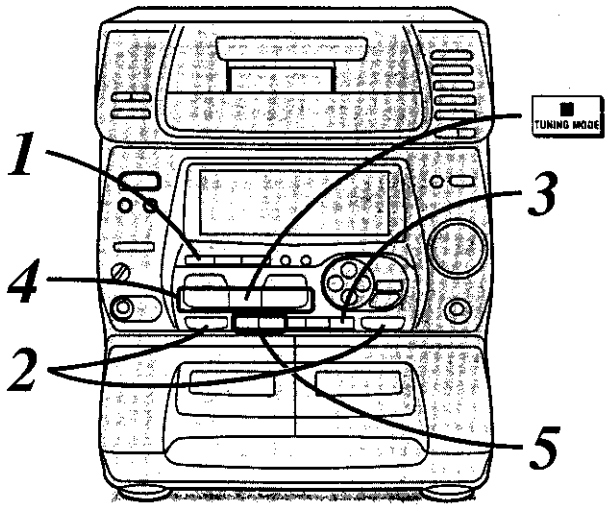
Press ■.

### Linking programmed tracks

① Perform step 1 above, and then press PROGRAM on the remote control.
② Press DISC on the remote control.
③ Select the disc from the remote control.
④ Select the track number from the remote control, and then press PROGRAM.
⑤ Repeat steps ②–④ until programming all tracks (max. 24 tracks).
⑥ Press ▶. Linking will begin.

# Tape to tape recording

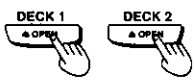
The recording level and the Dolby effect will be recorded as they are on the tape being played back.




Advance the leader tape a few revolutions.

**1**


**Press TAPE, DECK 1/2.**

**2** 

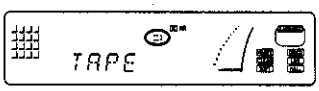

**Press ▲ OPEN on both decks, and then insert the tapes.**

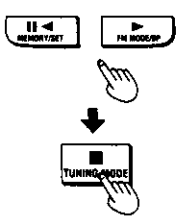
For playback: Into deck 1
For recording: Into deck 2
Close each deck's holder.

**3**


**Press REV MODE to select the reverse mode.**

⇄: Single-sided recording
⇄): Two-side recording (forward side→reverse side)
(⇄): Same as above (When you press NORMAL or HIGH, "(⇄)" will be automatically switched over to "⇄)".




**4** 


**Press ◀ or ▶, immediately followed by ■.**

This selects which direction the tape runs in.
▶: Recording from forward side
◀: Recording onto reverse side
Set both deck 1 and 2 to run in the same direction, side A.

**To switch over between decks 1 and 2**
Press TAPE, DECK 1/2.

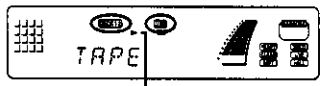
To record onto side B, set deck 2 to run in the ◀ direction.

**5**


**Press NORMAL or HIGH of TAPE EDIT to start recording.**

NORMAL: Normal speed recording
HIGH: High speed (about 2 times normal speed) recording.

Recording starts at the selected speed.




Tape travel direction indicator

The tape travel direction indicator shows the tape travel direction of the tape for recording.
After recording has finished, both decks will stop.

## To stop recording

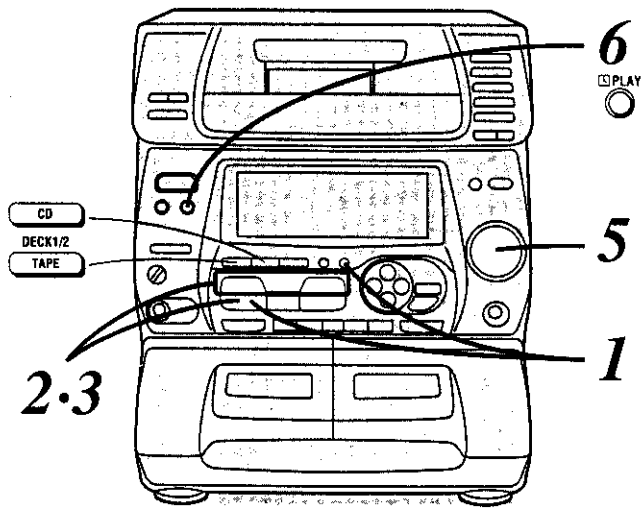
Press ■.
Both decks will stop.

**Note**

- While making a high-speed recording, move visual units such as TV further away from this unit. It prevents noises from being recorded.
- You cannot record acoustical effects such as bass or changes in sound quality and field.

# Using the play timer

- Make sure that you have completed "Setting the time" on page 9.
- Select this timer when you want to use the timer as an alarm clock. You can wake up with listening to music (CD, tuner, tape or aux) at a desired volume level and time.

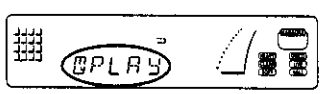



**Preparations** **Switch on the power.**
The following example in the figure shows how to set the play timer for playing a CD from 6:30 a.m. to 7:40 a.m.

## 1

CLOCK/TIMER

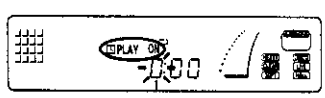
**① Press CLOCK/TIMER three times to show "PLAY".**




**Within 12 seconds:**

MEMORY/SET

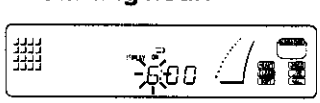
**② Press MEMORY/SET.**



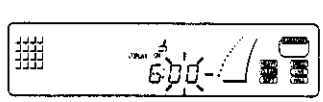

## 2

**"ON" time setting**

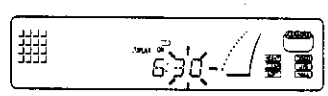
**① Press ∨ or ∧ to select the starting hour.**




**② Press MEMORY/SET.**




**③ Press ∨ or ∧ to select the starting minutes.**

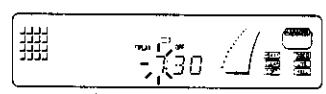



**④ Press MEMORY/SET.**

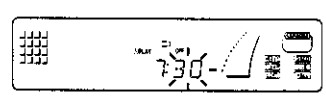
## 3

**"OFF" time setting**

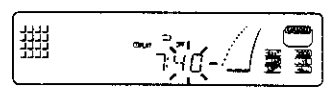
**① Press ∨ or ∧ to select the ending hour.**



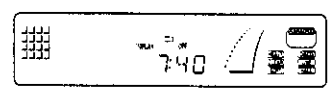

**② Press MEMORY/SET.**




**③ Press ∨ or ∧ to select the ending minutes.**

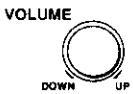



**④ Press MEMORY/SET.**



**4** **Select the desired source and then prepare the stereo for play.**

**When you play CD(s):**
Press CD and insert CD(s).
Stop the CD(s) after playback.
**When you play tape(s):**
Press TAPE, DECK 1/2 and insert tape(s).
Stop the tape deck after you select the direction of the tape.
**When you play the radio:**
Press TUNER, BAND and tune in the desired station.
**When you play a unit connected to the "AUX" terminals:**
Press AUX.

**5** 


**Set the playback volume.**

**6**


**Press ⏲ PLAY.**
The unit will be switched to the power standby condition.
The timer play will start at the preset time with volume increasing gradually up to the volume level you preset.

### To switch the timer OFF
Press ⏲ PLAY and check "⏲ PLAY" goes out.
The settings made with the preceding procedure will however be kept in memory.

### To check settings (only while power is ON)
Press CLOCK/TIMER 3 times and check "⏲ PLAY" is displayed.
① Play start time
② Play over time
③ Play source and playback volume

### To change settings (only while power is ON)
① Press ⏲ PLAY and check "⏲ PLAY" goes out.
② Reprogram from step 1.

### Using the timer at the same time setting continuously
(You can accomplish this even if your stereo is on standby.)
The settings made with the preceding procedure will however be kept in memory.
Press ⏲ PLAY and check "⏲ PLAY" is displayed.

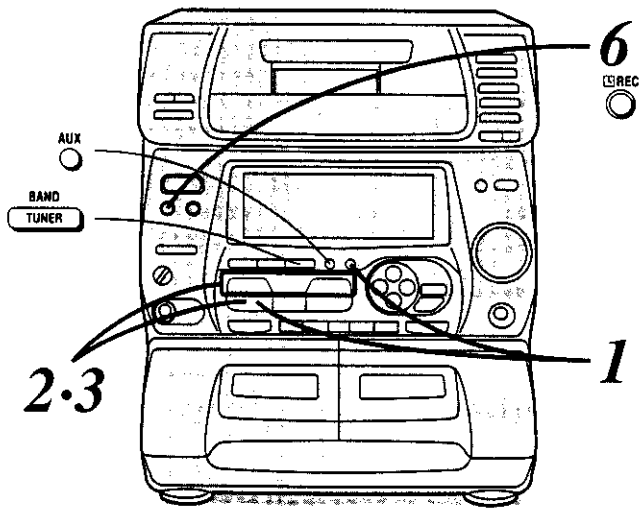
### To enjoy the desired source after the timer setting is completed
1. After finishing step 6, switch on the power and, start playing the desired source.
   Even if you change the volume level or music source, the timer play will start with the preset condition.
2. Press POWER to standby mode after enjoying the play, and confirm CD(s) or tape(s) has (have) been inserted.

**Note**
- If the power is on, the timer will not function. The system must be in the standby mode.
- The ON time and OFF time cannot be the same setting.
- If you switch the power to the standby mode while the play timer is functioning, the OFF time setting will not be activated.
- The lowest possible volume with the timer is −60 dB. If you set it lower than this, it will automatically be played back at −60 dB just the same.
- Record timer cannot be used in combination with the play timer.

### For your reference
- External sources must be connected to the "AUX" terminal. However, time settings apply only to this stereo. For more information, see the instruction manual of the connected unit.
- As long as "⏲ PLAY" is displayed, the timer will work every day at the same time.
- When you insert cassettes in both deck 1 and 2, deck 2 has priority.

# Using the record timer

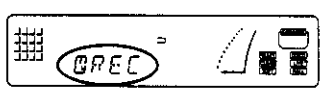
- Make sure that you have completed "Setting the time" on page 9.
- Select this timer when you want to use the timer to record a midnight program or while you are out.




**Preparations** **Switch on the power.**
The following example in the figure shows how to set the record timer for recording FM broadcasts from 18:30 (6:30 p.m.) to 20:00 (8:00 p.m.)

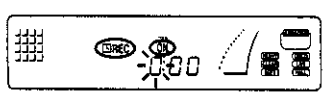
## 1

① **Press CLOCK/TIMER two times to show "⏲ REC".**



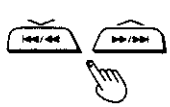
**Within 12 seconds:**

② **Press MEMORY/SET.**

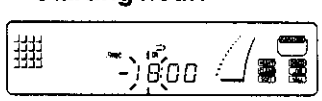


## 2

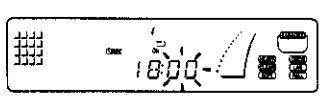
**"ON" time setting**

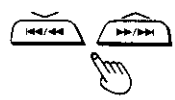


① **Press ∨ or ∧ to select the starting hour.**

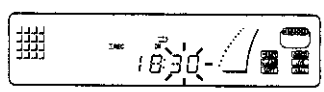


② **Press MEMORY/SET.**

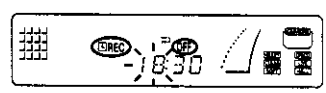




③ **Press ∨ or ∧ to select the starting minutes.**

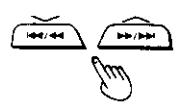


④ **Press MEMORY/SET.**

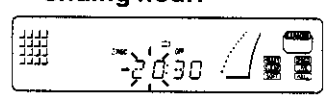


## 3

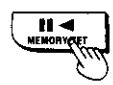
**"OFF" time setting**

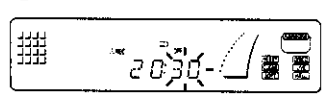


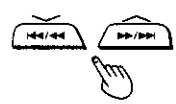
① **Press ∨ or ∧ to select the ending hour.**



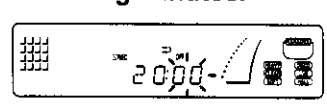
② **Press MEMORY/SET.**



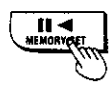



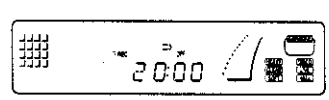


③ **Press ∨ or ∧ to select the ending minutes.**



④ **Press MEMORY/SET.**



## 5 Select the desired source and then prepare for recording.

**When you record from the radio:**
Press TUNER, BAND to select band and tune in the desired station.
**When you record from a unit connected to the "AUX" terminals:**
Press AUX.

## 4 Prepare for recording.

1. Insert a tape into deck 2 with the forward side facing you.
2. Select the appropriate Dolby noise-reduction system.
3. Select the reverse mode.

## 6 Press ⏲ REC.

The unit will be switched to the power standby condition.

- Recording will start roughly 30 seconds prior to the set time.
- Recording sound will be automatically muted.

### To switch the timer OFF

Press ⏲ REC and check "⏲ REC" goes out.
The settings made with the preceding procedure will however be kept in memory.

### To check settings (only while power is ON)

Press CLOCK/TIMER 2 times and check "⏲ REC" is displayed.
Two seconds later, the display will change in the following order.

① Recording start time
② Recording over time
③ Recording source

### To change settings (only while power is ON)

① Press ⏲ REC and check "⏲ REC" goes out.
② Reprogram from step 1.

### Using the timer at the same time setting continuously

(You can accomplish this even if your stereo is on standby.)
The settings made with the preceding procedure will however be kept in memory.
Press ⏲ REC and check "⏲ REC" is displayed.

### To enjoy the desired source after the timer setting is completed

1. After finishing step 6, switch on the power, and start playing the desired source.
   When listening to a cassette tape, use deck 1.
   Even if you change the music source, the timer recording will start with the preset condition.
2. Press POWER to set the stereo on standby after enjoying play, and confirm a tape is inserted in deck 2.

**Note**

- If the power is on, the timer will not function.
- The ON time and OFF time cannot be the same setting.
- If you switch the power to the standby mode while the record timer is functioning, the OFF time setting will not be activated.
- Play timer cannot be used in combination with a record timer.

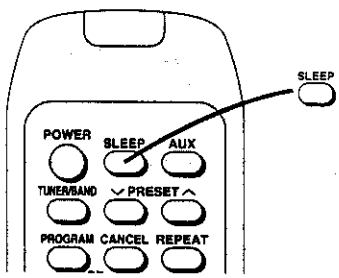
### For your reference

- Set recording to start roughly two minutes ahead of time.
- External sources must be connected to the "AUX" terminal. However, time settings apply only to this stereo. For more information, see the instruction manual of the connected unit.
- As long as "⏲ REC" is displayed, the timer will work everyday at the same time.

# Using the sleep timer

**by remote control only**

The system has a sleep timer so that you can fall asleep with the music on and have the system stop by itself. When the set time elapses, the system goes into the power standby mode. You have up to 2 hours time available for listening and you can set the timer in 30 minute increments.




The following example in the figure shows how to set the system to standby mode after 30 minutes.

SLEEP

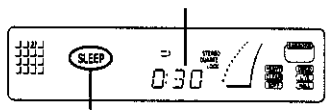
**While enjoying the desired source:**

**Press SLEEP to select the desired time.**

→0:30→1:00→1:30→2:00→OFF

(The display changes each time the button is pressed.)

Time setting




Check "SLEEP" is displayed.

The system is turned off after the set time has elapsed.

### To cancel the sleep timer

Press SLEEP to select "OFF".
"SLEEP" goes out.

### To confirm the remaining time

(only while power is ON)
Press SLEEP.
The remaining time will be displayed.

### To change the time remaining during operation:

Press SLEEP to show the remaining time then press SLEEP to select the desired time.

**Note**

The sleep timer turns OFF automatically the moment you attempt to edit-record a CD.

# To use two timers together

The sleep timer can be used in conjunction with the play timer or record timer.

**Record timer and sleep timer**

To go to sleep listening to a compact disc, and then to make a timer recording from a radio broadcast,
① Program the record timer.
② Switch on the power.
③ Start CD playback and adjust the desired volume.
④ Set the sleep timer.

**Note**

Be sure to set the sleep timer to off before the timer recording begins.

**Play timer and sleep timer**

To go to sleep listening to an FM broadcast, and wake up the next morning listening to a compact disc,
① Program a CD for play timer.
② Switch on the power.
③ Tune in the desired band and station, and adjust the volume.
④ Set the sleep timer.

**Timer priority**

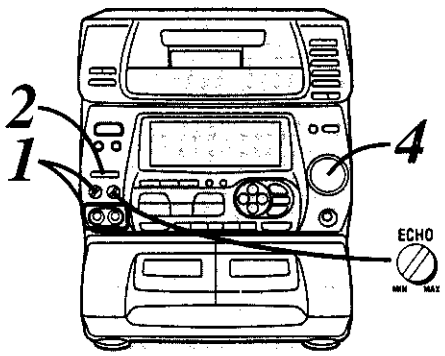
The sleep timer always has priority.
Be sure not to overlap timer settings.

### For your reference

- The play timer cannot be used in combination with the record timer.
- The volume of the play timer does not change if the volume of the sleep timer is changed.

# Singing along with karaoke

This unit lets you enjoy the karaoke fun with audio CDs and audio tapes.




## 1 First, lower volume with MIC. Then, connect the microphone.

Plug type: M3 monaural type

**SC-CH75 only**

You can connect two microphones.

## 2 Press KARAOKE to select the voice mode.

Each time the button is pressed, the display will change in the following order:

V•MUTE→MONO•L→MONO•R
↑——————(OFF)←——————┘

**Voice mode selection**

If you want to play with the karaoke function, check first whether or not your software is formatted for karaoke and then select the voice mode as indicated below.

○: Appropriate
●: For practice, etc.

| Software / Voice modes | Karaoke | | Non-karaoke |
|---|---|---|---|
| | Sound multiplex | Stereo | |
| (OFF) | ● (Background music+Voice) | ○ | ● (For singing along) |
| V•MUTE | — | — | ○ |
| MONO•L | ○ (Background music) | — | — |
| MONO•R | ● (Voice) | — | — |

**Note**

A bar is indicated in the above table when the voice mode is least effective. It is better to avoid using the mode in such cases.

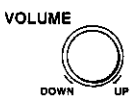
**About V•MUTE function**

You need software recorded in stereo sound if wanting to use the voice mute function. Voice and/or static may be reproduced with the following types of software.

- Software recorded monaural
- Classic music, or works performed by a limited number of instruments
- Chorus works or duets

## 3 Start the source (CD, etc.).

## 4 Adjust volume with VOLUME and MIC, and sing along.



### To cancel the karaoke

Press KARAOKE to select "(OFF)" mode.

**SC-CH75 only**

### To activate the echo effect

Turn ECHO to adjust the level.

**Note**

- If strange noise (squealing or howling) is emitted during use, move the microphone far away from the speakers, or turn down the microphone volume.
- When you are not using the microphone, disconnect it from the MIC jack, and turn down the microphone volume level to MIN.
- Sound field cannot be used with karaoke nor can the radio.

### To record your "KARAOKE" performance

1. Connect the microphone to the MIC jack.
2. Press ▲ OPEN on deck 2, and then insert a tape. (Close the holder.)
3. Press KARAOKE to select a mode.
4. Start recording.
   **When singing off CDs**
   Press CD and then REC START/STOP.
   **When singing off tapes**
   Follow steps 1–5 on page 25. (In step 5, select NORMAL.)
5. Start "KARAOKE" performance.

**Note**

- To playback the recorded tape, be sure to press KARAOKE to select the "(OFF)" mode.
- You cannot record sound field or bass effect with karaoke, or radio-backed karaoke.

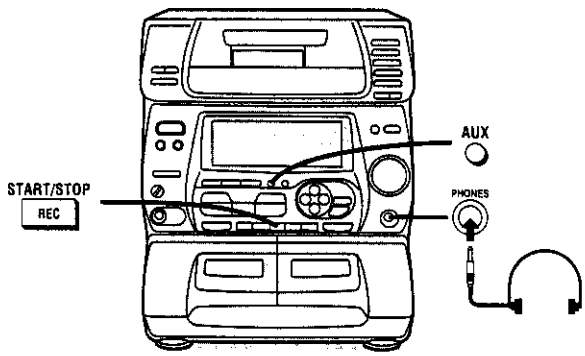
### To record your voice

1. Connect the microphone to the MIC jack.
2. Press ▲ OPEN on deck 2, and then insert a tape. (Close the holder.)
3. Press TAPE, DECK 1/2.
4. Press REC START/STOP to start recording.
5. Speak through the microphone and adjust volume with VOLUME and MIC.

**Note**

When you record your voice, select "FLAT" with EQ SPACE button.

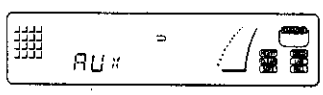
# Using an external unit




## Listening to an external source

(See page 7 for external unit connection)

1. Press AUX.




The power will come on automatically, even if the stereo is on standby.
2. Start playback from the external source. (For details, refer to the owner's manual of the equipment.)

## Recording from an external source

1. Follow steps 1–5 on page 20.
2. Press AUX.
3. Press REC START/STOP (recording starts).
4. Start playback from the external source. (For details, refer to the owner's manual of the equipment.)

**To stop recording**

1. Press REC START/STOP.
2. Stop the source.

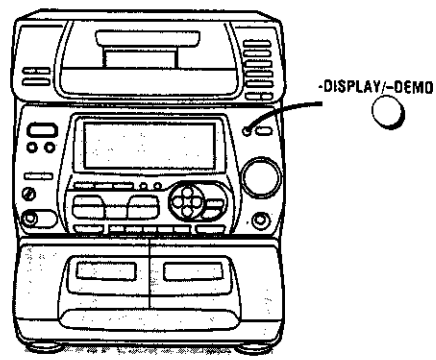
## Listening with headphones

Before connecting, reduce the volume.
Connect the headphones to the headphones jack.
Plug type: M3 stereo type

**Note**

Avoid listening for prolonged periods of time to prevent hearing damage.

# Other functions




## Changing the output level display

The output level display will change in 3 steps. Select the desired display.

### Press DISPLAY/DEMO.

Each time the button is pressed, the display will change as follows.

SC-CH75 SC-CH74

■ **Aurora mode**

■ **Normal mode**

■ **Peak-holding mode**

## Demo function

This system comes with a "demo" function. The default setting is for the demo function to be ON.

### Switching the demo function on or off:

Press and hold -DISPLAY/-DEMO for about 2 seconds or more.

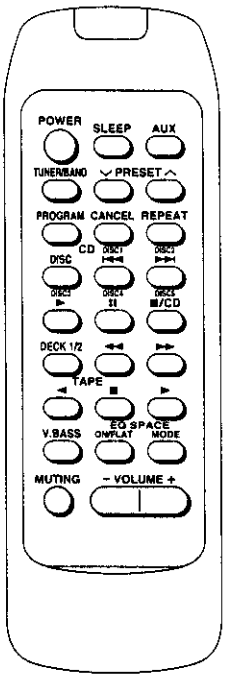
**When the demo function is set to on:**

- **When the power is ON**
  When the input source is set to "CD" or "TAPE", the demo function will run automatically after about 2 minutes or more pass in the stop mode.
- **When the system is in the power standby mode**
  When you do not set the time, the demo function runs automatically.

# Quick reference of remote control operations

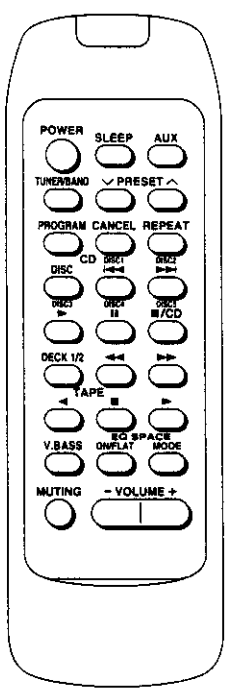
Reference pages indicated in black circles.

## Common operation



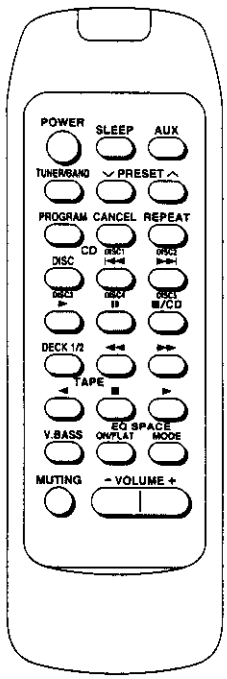

| | | |
|---|---|---|
| Starting play directly from the power standby condition | DISC3 ►, TUNER/BAND, ◄, ►, AUX | ⓳ |
| Switching the system on and to the power satandby mode | POWER | ⓽ |
| Selecting the input source | TUNER/BAND, DISC5 ■/CD, AUX | ⓾ ⓭ ㉜ |
| Adjusting the volume | – VOLUME + | ⓫ |
| Muting the volume temporarily | MUTING | ⓳ |

## Tuner/timer/sound quality operation

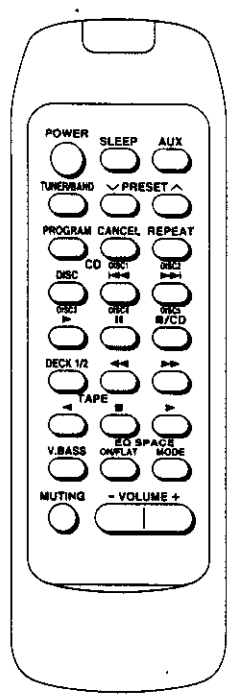



| | | |
|---|---|---|
| Selecting band | TUNER/BAND | ⓾ |
| Listening to radio broadcasts (Preset Tuning) | TUNER/BAND → PRESET | ⓫ |
| Operating/releasing the sleep timer | SLEEP | ⓴ |
| Switching sound quality or field to on or off | ON/FLAT | ⓲ |
| Switching between sound quality and fields | MODE | ⓲ |
| Switching V. BASS on or off | V.BASS | ⓲ |

## Compact disc section

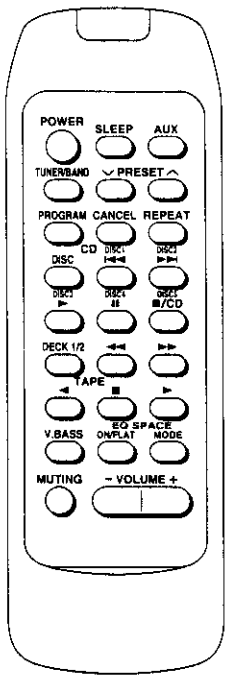



| | | |
|---|---|---|
| Starting play | DISC3 ▶ | ⓭ |
| Temporarily stopping play | (During playback)<br>DISC4 II | ⓭ |
| Stopping play | DISC5 ■/CD | ⓭ |
| Skipping forward/backward | Tap on the buttons repeatedly.<br>DISC1 ⏮ DISC2 ⏭ | ⓭ |
| Searching forward/backward | Press and hold during playback or pause.<br>DISC1 ⏮ DISC2 ⏭ | ⓭ |




| | | |
|---|---|---|
| Repeating play | (Before or during playback)<br>REPEAT | ⓭ |
| Starting play from a particular track | DISC5 ■/CD → DISC → DISC3 ▶ → DISC1 ⏮ DISC2 ⏭ DISC4 II DISC5 ■/CD | ⓮ |
| Playing a particular track you programmed | DISC5 ■/CD → PROGRAM → DISC → DISC3 ▶ → DISC1 ⏮ DISC2 ⏭ DISC4 II DISC5 ■/CD → DISC3 ▶ → PROGRAM → DISC1 ⏮ DISC2 ⏭ | ⓯ |
| Cancelling a particular track you programmed | CANCEL | ⓯ |
| Cancelling all of programmed tracks at one time | (While playing, press twice.)<br>DISC5 ■/CD | ⓯ |

## *Tape section*




| | | |
|---|---|---|
| Switching between deck 1 and deck 2 | DECK 1/2 | ⑰ |
| Starting playback | ◄ ► | ⑯ |
| Fast-forwarding or rewinding the tape | (In the stop mode) ◄◄ ►► | ⑰ |
| Finding the beginning of a track | (During playback) ◄◄ ►► | ⑰ |
| Stopping playback and recording | ■ | ⑯ |

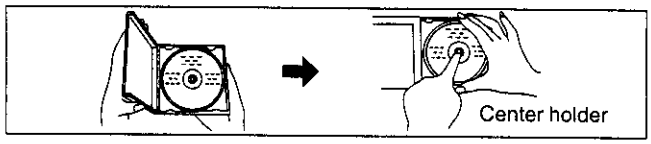
# Concerning compact discs

With this changer, you can only play compact discs having this mark.

COMPACT disc DIGITAL AUDIO

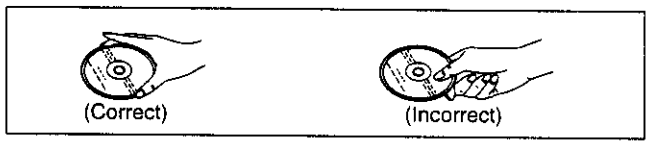
## Handling precautions

To open the compact disc case, gently press the sides of the top and pull up.
To remove the disc from the case, press the center holder and lift the disc, holding by the edges.




To return the disc to the case, insert the disc with the label facing up and press downward at the center.

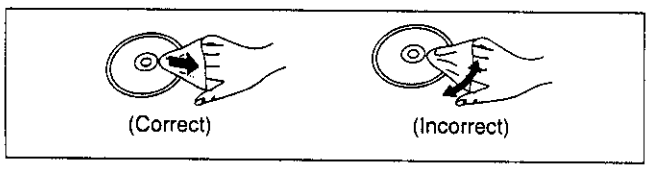
Hold compact discs by the edges so as not to soil the surface with fingerprints. Fingerprints, dirt and scratches can cause skipping and distortion.




Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent on a disc.

If the surface is soiled, wipe gently with a soft, damp (water only) cloth.

Always move the cloth directly outward from the center of the disc, not in a circular motion as with standard phonograph records.




If you are taking the disc from a cold to a warm environment, moisture may form on the disc. Wipe this off with a soft, dry, lint-free cloth before using the disc.

Do not write on the label side with a ball-point pen or other writing instrument.

Do not use the cleaning disc.

## Storage precautions

Be sure to store discs in their cases to protect them from dust, scratches, and warping.

Do not place or store discs in the following places:
1) Locations exposed to direct sunlight
2) Humid or dusty locations
3) Locations directly exposed to a heat vent or heating appliance
4) In the glove compartment or on the rear deck of an automobile

# Concerning cassette tapes

## Selection of cassette tapes

**Cassette tapes exceeding 100 minutes**
These tapes are handy for their long playback and recording time but be careful about repeatedly stopping and starting, rewinding and fast forwarding these tapes in short intervals as they are thin, tend to stretch and may become entangled in the deck mechanism.

**Endless-tapes**
Failure to operate these tapes correctly may cause the tape to wind around the revolving parts.
For this unit, it is recommended to use the tape which is appropriate to the auto reverse mechanism.

**Fe-Cr tapes (TYPE III)**
The high frequency range will be emphasized, and it will not be possible to obtain a flat frequency response.

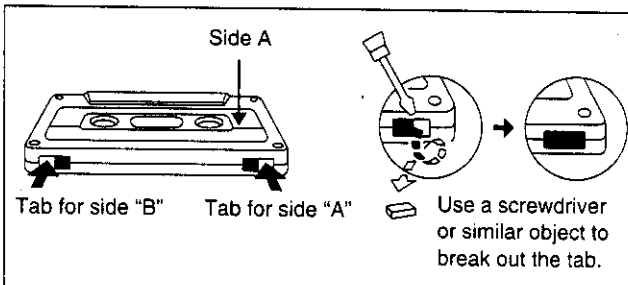
## Tape slack

Tape slack may cause the tape to break.

Use a pencil or similar object to take up the slack.

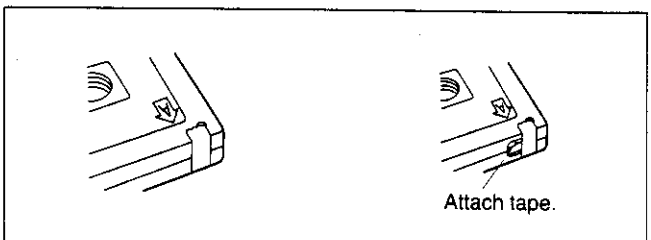
## Erasure prevention

Remove the tab(s).




### To re-record on a protected cassette

Cover the slot with adhesive tape.




## Tape storage

Tapes can be damaged if stored in places such as those described below.
- Where the temperature is high (35°C or higher) or where the humidity is high (80% or higher)
- Where there is a strong magnetic field (near a speaker, on top of a TV, etc.). Recording may become erased.

# Maintenance

## Maintenance of external surfaces

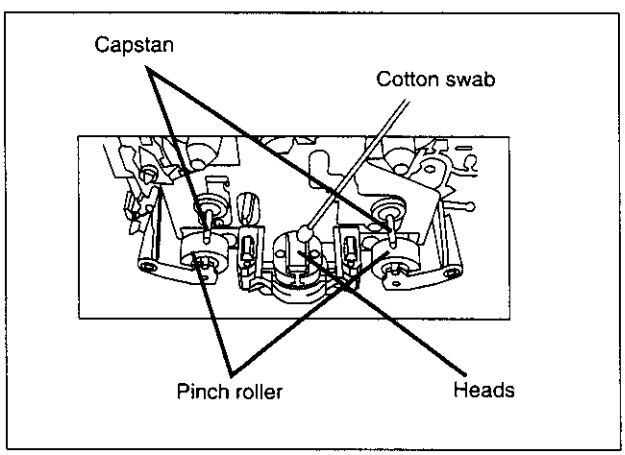
To clean this unit, use a soft, dry cloth.
If the surfaces are extremely dirty, use a soft cloth dipped in a soap-and-water solution or a weak detergent solution.

Wring the cloth well before wiping the unit.
Wipe once again with a soft, dry cloth.
Never use alcohol, paint thinner, benzine, or chemically treated cloths to clean this unit. Such chemicals may damage the finish of your system.

## Tape head care

To assure sound quality for recording and playback, be sure to clean the tape heads after approximately every 10 hours of use.

1. Press ▲ OPEN to open the cassette holder.
2. Press POWER to put your system on standby.
3. Clean the heads, pinch roller and the capstan shaft with a cotton swab (or with a soft, lint-free cloth) slightly moistened with isopropyl alcohol.
   Do not use any solution other than alcohol for head cleaning.



# *Troubleshooting guide*

Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.
If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to the directory of Authorized Service Centers (enclosed with this unit) to locate a convenient service center, or consult your dealer for instructions.

| Problem | Probable cause(s) | Suggested remedy | Reference page(s) |
|---|---|---|---|
| **Problems common to all systems** | | | |
| **The location of the various musical instruments is not well defined.** | The (+) and (−) connections to one of the speakers are reversed. | Connect the speaker cord correctly. | 6 |
| **The left and right sounds are reversed.** | The left and right connections to the speaker are reversed. | Connect the speaker cords correctly. | 6 |
| **Humming is heard while playing.** | A power cord or fluorescent lamp is located in the vicinity of cables. | Keep electric appliances away from the stereo. Try plugging the cord in, the other way. | |
| **Only one speaker is emitting sound.** | One of the wires of the speaker cord is disconnected. | Connect the speaker cord correctly. | 6 |
| **There is no sound when a source is being played.** | The (+) and (−) wire of the speaker cords are shorted. | Switch the system to the standby mode, and reconnect the speaker cords so that they are not shorted. Then switch on the power. | 6 |
| **"ERROR" message appears on the display.** | Wrong operation has been done. | Operate the unit correctly by following the operating instructions. | |
| **While listening to FM broadcasts** | | | |
| **There is a "rushing noise" during a stereo broadcast which is not audible during a monaural broadcast.** | The transmitting station is a long distance away. | • If you are using an indoor antenna, change to an outdoor antenna.<br>• If you are using a high-grade outdoor antenna, try changing the installation location, height, and orientation. | 7 |
| **You hear excessive noise during a stereo broadcast, and occasionally the sound disappears.** | The installation location and orientation of the antenna are unsuitable. | | |
| **The stereo indicator flickers and does not light completely.** | The transmitting station is a long distance away. | | |
| | The power of the TV set or VCR is ON. | Try switching off the TV set or VCR. | |
| **The sound during a stereo broadcast is highly distorted.** | There is a building or mountain nearby. [Distortion is caused by interference between the signal from the transmitting station (direct wave) and the signal reflected from the building or mountain (reflected wave).] | Use a high-grade outdoor antenna, and install it in a good location, height, and orientation for reception. | 7 |
| **While listening to LW/MW (AM) broadcasts** | | | |
| **You hear an unusual beat sound.** | You are using the system at the same time you are playing a TV set. | Switch off the TV set, or use the system further away from it. | |
| **You hear a low-frequency hum.** | The antenna wire is near the power cord. | Separate the antenna wire from the power cord. | 6 |
| **When there is a television set nearby** | | | |
| **The picture on the TV disappears or stripes appear on the screen.** | The location and orientation of the antenna are incorrect. | If you are using an indoor antenna, change to an outdoor antenna. | 7 |
| | The wiring at the back of the system is unsuitable. | Separate the antenna wire of the TV set from the system. | |

| Problem | Probable cause(s) | Suggested remedy | Reference page(s) |
|---|---|---|---|
| **While listening to tapes** | | | |
| **Sound is low, intermittent, or poor quality, noisy, scratchy, or unsteady.** | Heads are dirty. | Clean the heads. | 17 |
| | Dolby noise reductions is set in the wrong position. | Set it to match the Dolby NR recording mode. | 37 |
| **The deck does not enter the recording mode.** | The erase-prevention tabs are removed from the cassette. | Attach tape to cover the space left by removal of the erase-prevention tabs. | |
| **While listening to compact discs** | | | |
| **The display will not show the correct indication. Disc play does not start when you press the play button.** | The disc is not positioned correctly in the disc tray. | Load the disc on the tray correctly. | 12 |
| | The disc is loaded upside down. | Reload the disc. | |
| | The disc is dirty. | Wipe the disc with a soft cloth. | 36 |
| | The disc is scratched. | Replace the disc with a new one. | |
| | The disc is badly warped. | | |
| | The disc is a nonstandard one. | Replace the disc with a different one. | |
| | There is condensation inside the CD changer. | Switch the power ON, and then wait for 60 minutes before using the CD changer section. | |
| **While using the remote control** | | | |
| **The system cannot be operated with the remote control.** | The batteries are installed in the reverse polarity. | Reinsert the batteries in the correct polarity. | 5 |
| | The batteries are worn. | Replace the batteries with new batteries. | 5 |

**The servicer will require all components to service your system. Therefore, should service ever be necessary, be sure to bring the entire system.**

**Before moving or shipping this system:**
Prepare the system as described below to prevent damage to the mechanism.
1. Remove all CDs.
2. Press CD.
3. Hold down stop button (■) for 2 seconds and then without releasing it, hold down both it and DISC 5 for 2 more seconds. (This will turn OFF the power and set the so-called "shipping mode".)
4. Unplug the system.

Avoid strong vibrations or impact while moving the equipment. The shipping mode will turn OFF automatically when you turn the power ON the next time.

# Technical specifications

## AMPLIFIER SECTION

**1 kHz continuous power output**
**both channel driven**
[SA-CH75] 2×60 W (THD 1%, 4Ω)
[SA-CH74] 2×35 W (THD 1%, 4Ω)
**RMS**
[SA-CH75] 2×90 W (THD 10%, 4Ω)
[SA-CH74] 2×50 W (THD 10%, 4Ω)

| | |
|---|---|
| **Total harmonic distortion** | |
| **Half power at 1 kHz** | 0.06% (4Ω) |
| **Frequency response** | |
| **AUX** | 60 Hz–20 kHz (−3 dB) |
| **Input sensitivity** | |
| **AUX** | 250 mV |
| **MIC** | 0.6 mV |
| **Input impedance** | |
| **AUX** | 28 kΩ |
| **MIC** | 680Ω |
| **Tone controls** | 6-EQ SPACE modes HEAVY, CLEAR, SOFT DISCO, LIVE, HALL |
| **V.BASS** | |
| **(Volume at −30 dB)** | 63 Hz, 7 dB |
| **Load impedance** | 4Ω |

## FM TUNER SECTION

| | |
|---|---|
| **Frequency range** | 87.50–108.00 MHz |
| **Sensitivity** | 23.3 dBf |
| **Total harmonic distortion** | |
| **MONO** | 0.3% |
| **STEREO** | 0.5% |
| **S/N** | |
| **MONO** | 60 dB |
| **Antenna terminal(s)** | 75Ω (unbalanced) |

## AM TUNER SECTION

| | |
|---|---|
| **Frequency range** | |
| **(For United Kingdom)** | |
| **MW** | 522–1611 kHz |
| **LW** | 144–288 kHz |
| **(For others)** | |
| **AM** | 522–1611 kHz |
| **Sensitivity (for 500 mW)** | |
| **(For United Kingdom)** | |
| **MW (at 999 kHz)** | 250 μV/m |
| **LW (at 252 kHz)** | 500 μV/m |
| **(For others)** | |
| **AM (at 999 kHz)** | 250 μV/m |

## CASSETTE DECK SECTION

| | |
|---|---|
| **Track system** | 4 track, 2 channel |
| **Heads** | |
| **Record/playback** | Solid permalloy head (Rotaly head) |
| **Erasure** | Double gap ferrite head |
| **Motor** | DC servo motor |
| **Recording system** | AC bias 100 kHz |
| **Erasing system** | AC erase 100 kHz |
| **Tape speed** | 4.8 cm/s |
| **Frequency response** | |
| **NORMAL** | 35 Hz–14 kHz (+3 dB, −6 dB) |
| **HIGH** | 35 Hz–14 kHz (+3 dB, −6 dB) |
| **S/N (HIGH POSITION)** | |
| **Dolby NR off** | 50 dB (A weighted) |
| **Dolby NR on** | 60 dB (CCIR) |
| **Wow and flutter** | 0.18% (WRMS) |
| **Fast forward and rewind times** | Approx. 120 seconds with C-60 cassette tape |

## CD SECTION

| | |
|---|---|
| **Sampling frequency** | 44.1 kHz |
| **Decoding** | 16 bit linear |
| **Beam source/wave length** | Semiconductor laser/780 nm |
| **Number of channels** | Stereo |
| **Frequency response** | 20 Hz–20 kHz (+1 dB, −2 dB) |
| **S/N** | |
| **CD UNIT OUT** | 95 dB (JIS.A) |
| **Wow and flutter** | Below measurable limit |
| **Digital filter** | 8 fs |
| **D/A converter** | MASH (1 bit DAC) |

## GENERAL

| | |
|---|---|
| **Power consumption** | [SA-CH75] 230 W<br>[SA-CH74] 150 W |
| **Power supply** | AC 50 Hz, 230–240 V |
| **Dimensions (W×H×D)** | 270×331.5×331 mm |
| **Weight** | [SA-CH75] 8.9 kg<br>[SA-CH74] 7.6 kg |

## SPEAKER SECTION

SB-CH74

| | |
|---|---|
| **Type** | 3 way 3 speaker, Bass-Ref |
| **Speaker(s)** | |
| **Woofer** | 14 cm cone type |
| **Midrange** | 6 cm cone type |
| **Tweeter** | Piezo type |
| **Impedance** | 4Ω |
| **Input power** | 80 W (MUSIC)<br>40 W (DIN) |
| **Output sound pressure level** | 86 dB/W (1.0 m) |
| **Cross over frequency** | 1.5 kHz, 10 kHz |
| **Frequency range** | 45 Hz–22 kHz (−16 dB) |
| **Dimensions (W×H×D)** | 230×330×251 mm |
| **Weight** | 3.4 kg |

## SPEAKER SECTION

SB-CH430

| | |
|---|---|
| **Type** | 3 way 3 speaker, Bass-Ref |
| **Speaker(s)** | |
| **Woofer** | 14 cm cone type |
| **Midrange** | 6 cm cone type |
| **Tweeter** | Piezo type |
| **Impedance** | 4Ω |
| **Input power** | 80 W (MUSIC)<br>40 W (DIN) |
| **Output sound pressure level** | 87 dB/W (1.0 m) |
| **Cross over frequency** | 1.5 kHz, 10 kHz |
| **Frequency range** | 45 Hz–22 kHz (−16 dB) |
| **Dimensions (W×H×D)** | 230×330×252 mm |
| **Weight** | 3.2 kg |

SB-CH75

| | |
|---|---|
| **Type** | 3 way 3 speaker, Bass-Ref |
| **Speaker(s)** | |
| **Woofer** | 17 cm cone type |
| **Midrange** | 6 cm cone type |
| **Tweeter** | Piezo type |
| **Impedance** | 4Ω |
| **Input power** | 160 W (MUSIC)<br>80 W (DIN) |
| **Output sound pressure level** | 87 dB/W (1.0 m) |
| **Cross over frequency** | 1.5 kHz, 10 kHz |
| **Frequency range** | 40 Hz–22 kHz (−16 dB) |
| **Dimensions (W×H×D)** | 270×330×266 mm |
| **Weight** | 3.6 kg |

**Notes:**

1. Specifications are subject to change without notice.
   Weight and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

MASH is a trademark of NTT.

**Matsushita Electric Industrial Co., Ltd.**
Central P.O. Box 288, Osaka 530-91, Japan

Printed in Singapore

RQT3309-1B
F1295B0 (D)